

FROM : KOPPERS

FAX NO. : 5032852831

Feb. 02 2007 10:15 AM P1



# Oregon

Theodore R. Kulf

January 12, 2007

KOPPERS INC  
T J TURNER  
7540 NW ST HELENS RD  
PORTLAND OR 972103663

Post-It® Fax Note

7671

To: <i>Traci Self</i>	Date: <i>2/9/07</i>	# of pages: <i>1</i>
Co./Dept:	From: <i>OSFM</i>	
Phone #	Co.	
Fax #	Phone #	
	Fax #	

## Department of State Police

Office of State Fire Marshal

4760 Portland Road NE

Salem, OR 97305-1760

(503) 378-6835

sfmcrk@state.or.us

Quality Service First

FACILITY ID: 006202

SITE ADDRESS: 7540 NW ST HELENS RD; PORTLAND

**SUBJECT: EPCRA Section 302 Extremely Hazardous Substance (EHS) Requirements**

The facility listed above has notified the Oregon Office of State Fire Marshal (OSFM) that it is subject to the emergency planning provisions of Section 302 of the federal Emergency Planning and Community Right to Know Act (EPCRA). This notification is based on information submitted by the facility on OSFM's Hazardous Substance Information Survey (HSIS). In an effort to validate the information provided on the HSIS, we are asking you to confirm whether this facility is indeed subject to EPCRA Section 302. To be subject to Section 302, the facility must meet one of the following criteria:

1. Possess a substance found on the Environmental Protection Agency's (EPA) List of Extremely Hazardous Substances in a quantity equal to or greater than the threshold planning quantity (TPQ), or
2. Possess a substance, or substances, that contain an ingredient found on the EPA's List of Extremely Hazardous Substance and the total amount of that ingredient is equal to or greater than the threshold planning quantity (TPQ).

Access the EPA's List of EHS at: [http://yosemite.epa.gov/oswer/ceppoehs.nsf/Alphabetical\\_Results](http://yosemite.epa.gov/oswer/ceppoehs.nsf/Alphabetical_Results)

If you have any questions, contact the Oregon Office of State Fire Marshal's Hazardous Substance Information Hotline at (503) 378-6835.

**Please complete the information below and mail or fax this letter to:**

Oregon Office of State Fire Marshal  
Community Right to Know Unit  
4760 Portland Rd NE  
Salem, OR 97305-1760  
Fax No.: (503) 373-1825

- ☒ Yes, this facility is subject to the requirements set forth in EPCRA Section 302 and the Oregon Hazardous Substance Information Survey has been submitted correctly.
- ☐ No, this facility is not subject to the requirements set forth in EPCRA Section 302. Please update the Oregon Hazardous Substance Information Survey for this facility.

NAME: *TJ Turner*TITLE: *Plant Superintendent*PHONE NUMBER: *(503) 286-3681*DATE: *2/9/07*

**KOPPERS**

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd.  
Portland, Oregon 97210-3663  
Phone: (503) 286-3681  
Fax: (503) 285-2831  
Web Page: [www.koppers.com](http://www.koppers.com)

TO: T. Self

DATE: 2/16/05

FROM: Ames

TOTAL # OF PAGES: 2

Tier II

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831



Due Date: November 30, 2004

Facility ID Number:  
006202

2004

OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

**SECTION A HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

- ☒ YES ☐ NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
- ☒ YES ☐ NO 2. Were Extremely Hazardous Substances (EHS) present at this site at or above the threshold planning quantities during this survey period?
- ☐ YES ☒ NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?
- ☐ YES ☒ NO 4. Is this facility subject to the Process Safety Management (PSM) requirements of OR-OSHA?

**SECTION B DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. NAICS CODE 1: 325192 DEFINITION: CYCLIC CRUDE & INTERMEDIATE MFG
2. NAICS CODE 2: DEFINITION:
3. BUSINESS ACTIVITY AT THIS SITE: COAL TAR PITCH TERMINAL  
[ ]
4. DUN & BRADSTREET #: 02-773-4359 [ ]
5. OWNER/CEO/REG AGENT: W. W. TURNER, CEO [ ]
6. SEND TO ATTENTION OF: AMOS S KAMERER [ ] T. J. TURNER [ ]
7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM [ ] TURNERT@KOPPERS.COM [ ]
8. BUSINESS NAME: KOPPERS INC [ ]
9. DEPT OR DIV: [ ]
10. SITE ADDRESS: 7540 NW ST HELENS RD [ ]  
CITY: PORTLAND [ ]  
COUNTY: MULTNOMAH [ ]  
STATE: OR ZIP CODE: 97210-3663 [ ]
11. MAILING ADDRESS: 7540 NW ST HELENS RD [ ]  
CITY: PORTLAND [ ]  
COUNTY: MULTNOMAH [ ]  
STATE: OR ZIP CODE: 97210-3663 [ ]
12. BUSINESS PHONE: 503-286-3681 [ ]
13. NUMBER OF EMPLOYEES AT THIS SITE: 3 [ ]
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE:  
AMOS S KAMERER [ ]  
T. J. TURNER [ ]
15. EMERGENCY CONTACT PHONES:  
DAY: 503-286-3681 NIGHT: 503-246-8045 [ ]  
[ ] (360) 896-5139 [ ]
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU [ ]

**SPECIAL FIRE DEPARTMENT INFORMATION** This section is for information the fire service needs to know in case of an emergency.

17. ☐ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Office And Control Room
18. ☐ YES ☐ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☐ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☐ YES ☐ NO ARE OTHER TYPES OF PLACARDS USED?

AMOS S KAMERER  
KOPPERS INC7540 NW ST HELENS RD  
PORTLAND, OR 97210-3663**SECTION C PERSON COMPLETING FORM**

Signature required: I certify that the information provided is true and accurate to the best of my knowledge. This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: T. J. TURNER
2. SIGNATURE: [Signature]
3. Date: 11/22/04 Phone: 503-286-3681 Ext: 15

For office use only: F DE

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: ACETYLENE

Hazardous Ingredient: ACETYLENE

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	10	10	10	00	365	L 2 4	2.1	1001	CAS No. if known 74862

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	MAINT SHOP 4	1	IN FRONT OF BLD	NA	C	10
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: COAL TAR PITCH-LIQUID

Hazardous Ingredient: COAL TAR PITCH

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	41	50	51	51	365	A 1 5	4.5	3257	CAS No. if known 65996932

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	CONTROL RM-5	1	TANK FARM	TANK T-68	C	40
<input type="checkbox"/>	O	CONTROL RM-5	1	UPPER LEVEL	TANK T-65	C	43
<input type="checkbox"/>	O	PENCIL PITCH	1	UPPER LEVEL	TANK T-200	NE	50
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: COAL TAR PITCH-SOLID

Hazardous Ingredient: PYRENE

☒ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	51	00	52	365	R 1 4	4.5	3077	CAS No. if known 65996932

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	I	PITCH STRGE BLD	1	NA	NA	N	51
<input type="checkbox"/>							
<input type="checkbox"/>							

2004  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information SurveyFacility ID Number  
006202

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: DIESEL #2

Hazardous Ingredient: DIESEL FUEL #2

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	20	20	00	365	E 1 4	3.3	1993	CAS No. if known 68476346

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	BOILER HOUSE	1	UPPER LEVEL	TANK DSL 1	SE	20
<input type="checkbox"/>	O	EMPLOYEE SVC 2	1	OIL STGE SHED	DRUMS	NE	04
<input type="checkbox"/>	O	S OF SHOP	1	UPPER LEVEL	TANK DSL 1	C	20
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: GASOLINE

Hazardous Ingredient: PETROLEUM DISTILLATES

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	02	02	04	00	365	N 1 4	3.1	1203	CAS No. if known 8006619

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	EMPLOYEE SVC 2	1	OIL STGE SHED	FLAM STGE CABNT	NE	02
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: HEAVY CREOSOTE DISTILLATE

Hazardous Ingredient: CREOSOTE

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	31	30	31	365	A 1 5	4.5	3082	CAS No. if known 65996921

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	CONTROL RM-3	1	TANK FARM	TANK T-67	C	31
<input type="checkbox"/>	O	CONTROL RM-5	1	TANK FARM	TANK T-33	C	30
<input type="checkbox"/>							

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Delete [ ] [ ] [ ] [ ] [ ] [ ] [ ]

[REDACTED]

[

- | Physical State<br>Use Table I | Units of Measure<br>Use Table II | Avg Amt Code<br>Use Table III | Max Amt Code<br>Use Table III | Amt IN Code<br>Use Table III | Amt OUT Code<br>Use Table III | No Days On Site<br>3 digits | Storage Code<br>Use Table IV & V<br>D 1 4 | Hazard Class<br>Table VI<br>4.5 | UN/NA<br>if known | EPA Pesticide Registration No:<br>[ ] |
|-------------------------------|----------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|---|---------------------------------|-------------------|---------------------------------------|
| 2                             | 2                                | 04                            | 04                            | 04                           | 00                            | 365                         | [ ] [ ] [ ] [ ]                           | 6.4                             | 1270              | CAS No. if known<br>64742547          |

## Loc Max

	In/Out	Building	Floor	Area	Room	Quadrant	Use Table III
Delete <input type="checkbox"/>	[ O ]	EMPLOYEE SVC 2	[ 1 ]	OIL STGE SHED	NA	NE	04
Delete <input type="checkbox"/>	[ ]		[ ]				
Delete <input type="checkbox"/>	[ ]		[ ]				

1. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

[...] *la*

- | Physical State<br>Use Table I | Units of Measure<br>Use Table II | Avg Amt Code<br>Use Table III | Max Amt Code<br>Use Table III | Amt IN Code<br>Use Table III | Amt OUT Code<br>Use Table III | No Days On Site<br>3 digits | Storage Code<br>Use Table IV & V<br>A 2 6 | Hazard Class<br>Table VI<br>2.2 | UN/NA<br>if known | EPA Pesticide Registration No:<br>[ ] |
|-------------------------------|----------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|---|---------------------------------|-------------------|---------------------------------------|
| 3                             | 2                                | 20                            | 20                            | 30                           | 30                            | 365                         | [ ] [ ] [ ] [ ]                           | [ ] [ ] [ ] [ ]                 | 1066              | CAS No. if known<br>7727379           |

Loc Max

	In/Out	Building	Floor	Area	Room	Quadrant	Use Table III
Delete <input type="checkbox"/>	[ O ]	EMPLOYEE SVC 2	[ 1 ]	UPPER LEVEL	NITROGEN TANK	NE	20
Delete <input type="checkbox"/>	[ ]		[ ]				
Delete <input type="checkbox"/>	[ ]		[ ]				

[

[ ]

- | Physical State<br>Use Table I | Units of Measure<br>Use Table II | Avg Amt Code<br>Use Table III | Max Amt Code<br>Use Table III | Amt IN Code<br>Use Table III | Amt OUT Code<br>Use Table III | No Days On Site<br>3 digits | Storage Code<br>Use Table IV & V<br>L 2 4 | Hazard Class<br>Table VI<br>2.2 | UN/NA<br>if known | EPA Pesticide Registration No:<br>[ ] |
|-------------------------------|----------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|---|---------------------------------|-------------------|---------------------------------------|
| 3                             | 3                                | 11                            | 11                            | 10                           | 00                            | 365                         | [ ] [ ] [ ]                               | 5.1                             | 1072              | CAS No. if known<br>7782447           |

## Loc Max

	In/Out	Building	Floor	Area	Room	Quadrant	Use Table II
Delete <input type="checkbox"/>	O	MAINT SHOP 4	1	IN FRONT OF BLD	NA	C	11
Delete <input type="checkbox"/>							

## OREGON STATE FIRE MARSHAL

### Hazardous Substance Information Survey

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

**Common Name or Trade Name: OXYGEN**

[illegible]

Common Name or Trade Name: **PETROLEUM PROCESS OIL, CALORIA HT 43**

Hazardous Ingredient: **PETROLEUM DISTILLATES**

☐ No Longer Reportable

<input type="checkbox"/> 112R	State Use Table I	Measure Use Table II	Code Use Table III	Code Use Table III	Code Use Table III	Code Use Table III	On Site 3 digits	Use Table IV & V A 1 5	Table VI 4 . 5	if known	2-Phase Negotiation No. [ ]
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											CAS No. if known
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	2	2	21	21	04	00	365	[ ] [ ] [ ] [ ]	[ ] [ ] [ ] [ ]		

### LOCATION

LOCATION								Loc Max
	In/Out	Building	Floor	Area	Room	Quadrant	Use Table II	
Delete <input type="checkbox"/>	[ O ]	CONTROL RM 5	[ 1 ]	UPPER LEVEL	TANK T-240	C	20	
Delete <input type="checkbox"/>	[ O ]	CONTROL RM 5	[ 1 ]	UPPER LEVEL	TANK T-250	C	20	
Delete <input type="checkbox"/>	[ O ]	EMPLOYEE SVC 2	[ 1 ]	OIL STGE SHED	DRUM	NE	04	
Delete <input type="checkbox"/>	[ ]		[ ]					
Delete <input type="checkbox"/>	[ ]		[ ]					

**Common Name or Trade Name: PROPANE**

**Hazardous Ingredient:PROPANE**

☐ No Longer Reportable

<input type="checkbox"/> 112R	Physical State	Chemical Measure	Reg. Code	Reg. Code	Reg. Code	Reg. Code	On Site	Use Table IV & V	Table VI	if known	UN Glob. Reg. No.
<input type="checkbox"/> EHS	Use Table I	Use Table II	Use Table III	Use Table III	Use Table III	Use Table III	3 digits	L 2 6	2.1		
<input type="checkbox"/> PSM								[ ] [ ] [ ]	[ ] [ ] [ ]		
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	3	2	04	04	11	00	365	[ ] [ ] [ ]	6.3	1075	CAS No. if known 74986

## LOCATION

LOCATION								Loc Max
	In/Out	Building	Floor	Area	Room	Quadrant	Use Table II	
Delete <input type="checkbox"/>	[ 0 ]	CONTROL RM 5	[ 1 ]	IN FRONT OF BLD	NA	C	02	
Delete <input type="checkbox"/>	[   ]		[   ]					
Delete <input type="checkbox"/>	[   ]		[   ]					

**Common Name or Trade Name: SODIUM HYDROXIDE**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Arg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazardous Class Table VI	SDWA if known	EPA pesticide registration No.
<input type="checkbox"/> EHS								I 1 4	8.0		
<input type="checkbox"/> PSM								[ ] [ ] [ ]	[ ] [ ] [ ]		
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	1	1	11	11	20	00	365		6.3	1823	CAS No. if known 1310732

2004  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information Survey

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: SODIUM HYDROXIDE [ ]

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	I	BOILER HOUSE 2	1	UPPER LEVEL	DRUM	E	11
Delete <input type="checkbox"/>							
Delete <input type="checkbox"/>							

Common Name or Trade Name: SODIUM SULFITE [ ]

Hazardous Ingredient: SODIUM SULFITE [ ]

☐ No Longer  
Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
							I 1 4	6.3		
1	1	11	11	20	00	365				CAS No. if known 7757837

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	I	BOILER HOUSE 2	1	UPPER LEVEL	DRUM	E	11
Delete <input type="checkbox"/>							
Delete <input type="checkbox"/>							

OREGON STATE FIRE MARSHAL  
Hazardous Substance Information Survey

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name:

Hazardous Ingredient:

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☐ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
										CAS No. if known

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>							
Delete <input type="checkbox"/>							
Delete <input type="checkbox"/>							

Common Name or Trade Name:

Hazardous Ingredient:

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☐ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
										CAS No. if known

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>							
Delete <input type="checkbox"/>							
Delete <input type="checkbox"/>							

Common Name or Trade Name:

Hazardous Ingredient:

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☐ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
										CAS No. if known

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>							
Delete <input type="checkbox"/>							
Delete <input type="checkbox"/>							

**SECTION E**

Enter the information in the [bracketed] areas.

Common Name or Trade Name:

[

]

**LOCATION**

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name:

[

]

**LOCATION**

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name:

[

]

**LOCATION**

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name:

[

]

**LOCATION**

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name:

[

]

**LOCATION**

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]



**THE ITEMS LISTED ON THIS PAGE MUST BE ENTERED  
ON THE SURVEY OR IT WILL BE RETURNED.**

**SECTION A**

☐ YES ☐ NO

1. Were there hazardous substances present at this site in reportable quantities during the survey period?

**SECTION B**

1. NAICS CODE
3. BUSINESS ACTIVITY AT THIS SITE
5. OWNER/CEO/REG AGENT
7. E-MAIL ADDRESS
8. BUSINESS NAME
10. SITE ADDRESS
11. MAILING ADDRESS (Enter NONE if an e-mail address is not available)
12. BUSINESS PHONE
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE
15. EMERGENCY CONTACT PHONE NUMBERS, DAY AND NIGHT PHONE
16. RESPONSIBLE FIRE DEPARTMENT

**SECTION C**

1. PRINT NAME
2. SIGNATURE

**SECTION D (These must be included if you are reporting substances)**

- COMMON NAME/TRADE NAME
- PHYSICAL STATE
- UNIT OF MEASURE
- AVG. AMT. CODE
- MAX. AMT CODE
- AMT IN. CODE
- AMT OUT. CODE
- NUMBER OF DAYS ON SITE
- STORAGE CODE
- STORAGE LOCATION(S) AND LOCATION MAXIMUM AMOUNTS

**FOR HELP COMPLETING THE SURVEY CALL THE HAZARDOUS SUBSTANCE  
INFORMATION HOTLINE AT 503-378-6835**

# **\*\* Attention \*\***

## **Be sure and check these three items in Section B of the Survey**

(The survey may be returned if these three fields are not completed)

### **1. SECTION B #1. NAICS CODE:**

The Standard Industrial Classification (SIC) codes have been revised to better describe business activities. This new code is called the "North American Industry Classification System" (NAICS) and uses a six-digit number.

**If NAICS CODE 1 is not already completed, please enter the new NAICS code and its definition that best describes the industry and business activity of your facility at this site.**

To assist you in completing this information, we have listed some resources you can use to find the NAICS code that best applies to your facility.

**You can cross-reference from the previous SIC code to the 2002 NAICS at:**

**<http://www.census.gov/epcd/naics02/index.html>**

There is more information at the U.S Census web site:

**<http://www.census.gov/epcd/www/naics.html>**

### **2. SECTION B # 5. OWNER/CEO/REG AGENT:**

- This is the person of legal record for the facility E.g, owner, chief executive officer, registered agent, director, or president.

### **3. SECTION B #7. E-MAIL ADDRESS:**

**YOUR E-MAIL ADDRESS IS IMPORTANT – MAKE SURE IT IS CORRECT**

**IMPORTANT NOTE:** Electronic Survey Submission is now available for those facilities that have previously provided an e-mail address. If you would like the ability to submit your survey electronically in the future, you must provide an e-mail address.

- If your facility has a business e-mail address (not a website), please write it in Section B, #7 of the Survey. If your facility does not have an e-mail address, please write NONE.
- If the pre-printed e-mail address is incorrect, make changes in the gray shaded area.
- Your e-mail address will be data entered exactly as you provide it. If your e-mail address is case sensitive, please be sure and list it as it needs to be entered.
- If special e-mail notices or announcements should be directed to a specific person at the facility, provide the e-mail address for this person in Section B, #7.

**If you have any questions, or after submitting the survey your e-mail changes, please call the Hazardous Substance Information Hotline at (503) 378-6835.**

# **IMPORTANT CHANGE**

## **REPORTABLE QUANTITY OF GASES**

**All gases (compressed, liquefied and cryogenic) are reportable at 200 cubic feet.**

**GASES: 200 CUBIC FEET OR MORE**  
**(At atmospheric pressure and temperature)**

If your facility has compressed, liquefied or cryogenic gases at the site in quantities equal to or greater than 200 cubic feet, there is a reportable quantity and therefore it must be included on the Hazardous Substance Information Survey.

### **EXCEPTION:**

Gases intended for human/animal ingestion and/or inhalation either directly or added to a product are exempt from reporting if **ALL** of the following apply:

- The gas is present at the site where human/animal ingestion and/or inhalation occurs.
- The gas is not being used in a manufacturing process.
- The gas is not a cryogenic.
- The gas is not being stored at the site in excess of 1,000 cubic feet.

**For further instructions, please see the Instruction Booklet.**

**THIS SURVEY IS**  
**DUE**

**NO LATER THAN**

**November 30, 2004**

**REQUIRED BY BOTH FEDERAL AND STATE LAW**

- **Incomplete surveys will be returned** to the facility and **will not** be considered “received” by the Office of State Fire Marshal.
- **Maximum amount codes, substance storage locations and location maximum amounts must be provided** or the survey will be considered incomplete and returned to the facility.
- **Facilities failing to submit a completed survey by the due date will be issued a Notice of Non-compliance and Proposed Penalty Assessment Order as required by OAR 837-85-0090(2).**

# IMPORTANT INFORMATION

**THE INFORMATION IN THIS NOTICE IS CRITICAL AND WILL AFFECT HOW THE 2004 HAZARDOUS SUBSTANCE INFORMATION SURVEY IS COMPLETED. CAREFULLY READ THE FOLLOWING EXPLANATIONS AND REFER TO THE INSTRUCTION BOOKLET FOR DETAILS.**

- **The maximum amount code must be reviewed and provided for each reportable substance.**
- **Report each substance name only once.** Identify different storage locations for the substance in the location fields provided.
- **At least one storage location must be provided for each substance.** Detailed Instructions are provided in the Instruction Booklet.
- **Each storage location containing a reportable quantity of a substance must be included in the “location” field of Section D.** The maximum amount (“Loc Max”) must be provided for each location listed. The “Loc Max” code cannot be larger than the “Max Amt” code.
- **If there are more storage locations with reportable quantities than space allows in section D,** enter the additional locations on the **Section E Form** provided.
- **If the facility does not have a reportable quantity of a substance in a single location but the accumulative amount throughout the facility reaches the OSFM reportable quantity,** enter “various” on the first location line in the “Building” column.
- **If the facility has an e-mail address,** enter it in the space provided in Section B (not a Web site). If you do not have an e-mail address, enter “NONE”.
- **See the Instruction Booklet for additional information.**

OCT 4 2004

### Heavy Oil

	<u>Total</u>	<u>Avg/mo.</u>
Receipts	337,100 #	28,092 #
Usage	497,700 #	41,475 #

### 9 #/Gallon

Receipts	37,456 gals. ✓	3,121 gals. ✓
Usage	55,300 gals. ✓	4,608 " ✓

### Log oil Pitch

	<u>Total</u>	<u>Avg/mo.</u>
Receipts	23,694,482 #	1,974,541 #
Usage/ship	37,541,977 #	3,128,498 #

### 11 #/Gallon

Receipts	2,154,045 gals. ✓	179,504 gals. ✓
Usage/ship	3,412,907 " ✓	284,409 " ✓

ODEQ AIR Permit 2003 Throughput Northwest Terminal - All Quantities shown are in ponuds

Movement	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total	
T-65 to Cars	0	810300	511800	173500	348000	180000	677800	333800	344700	177600	510000	684600	<del>4752100</del>	1194600 ✓
T-200 to Cars	517000	512799	0	0	0	0	0	0	0	0	0	0	<del>1029799</del>	
T-68 to Trucks	3819030	4093460	2664240	3492990	3150170	2806050	3152260	2403000	2324300	4314220	1570080	1501360	<del>35291160</del>	3071440 ✓
Cars to T-65	0	0	0	0	0	0	0	0	0	0	0	0	0	
T-65 to T-68	0	0	0	0	0	0	0	0	0	0	0	0	0	
T-65 to T-200	0	0	0	0	0	0	0	0	0	0	0	0	0	
T-200 to T-65	0	0	0	0	0	0	0	0	0	0	0	0	0	
T-200 to T-68	3605306	4060760	2392847	3490138	3148374	2561373	3327920	1972358	2446095	4174004	1784198	1336743	<del>34300110</del>	3120941 ✓
HO T-33 to T-65	0	0	0	0	36000	0	18900	0	0	0	49500	0	<del>104400</del>	49500 ✓
HO T-33 to T-200	0	0	0	0	0	0	0	0	0	0	0	0	0	
HO T-33 to T-68	27000	48600	27700	54900	54000	42300	49500	41400	52200	91800	34650	46800	<del>570850</del>	99450 ✓
HO cars to T-33	0	0	0	0	0	98900	0	139000	0	103000	124500	0	<del>465400</del>	124500 ✓
HO cars to T-67	0	0	0	0	0	0	0	0	0	0	0	0	0	
HO T-67 to T-33	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vessel to T-200	0	0	0	15895159	0	0	0	0	0	8857565	0	0	<del>24752724</del>	✓
Solid to T-65	0	0	0	0	0	0	0	859787	0	0	0	0	<del>859787</del>	
Outage T-33 (24')	9.5'	9'	11'	13.67'	19.25'	14.67'	19'	13.5	16.75	14.9	10.25	13.5	68.9	
Outage T-67 (29')	29'	29'	29'	29'	29'	29'	29'	29	29	29	29	29	145	
Hours of Operation														
E-170	362	315	284	296	266	214	253	238	233	<del>270</del>	205	296	3238	
E-270	322	278	251	309	240	195	196	190	204	<del>287</del>	195	303	2970	
Boiler	323	285	232	221	230	184	199	217	170	<del>231</del>	137	212	2641	
Fume System	277	254	231	266	230	180	199	217	175	<del>247</del>	120	200	2596	

**ODEQ AIR Permit 2004 Throughput Northwest Terminal - All Quantities shown are in ponuds**

Movement	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
T-65 to Cars	0	0	0	0	0	0	0	0	0	0			0
T-200 to Cars	0	0	0	0	0	0	0	177100	0	0			177100 ✓
T-68 to Trucks	1842980	2123200	1983300	1574610	2468707	3158280	2475380	1783820	2332780	2604380			22347437 ✓
Cars to T-65	0	0	0	0	0	0	0	0	0	0			0
T-65 to T-68	0	0	0	0	0	0	0	0	0	0			0
T-65 to T-200	0	0	0	0	0	0	0	0	0	0			0
T-200 to T-65	0	0	0	0	0	0	0	0	0	0			0
T-200 to T-68	1668581	2650546	1207187	1643384	2369752	3025201	2541068	1636712	2503058	2508960			21754449
HO T-33 to T-65	0	0	0	0	0	0	0	0	0	0			0
HO T-33 to T-200	0	0	0	0	0	0	0	0	0	0			0
HO T-33 to T-68	47700	67500	23400	18900	25200	33300	33300	29700	35100	39600			353700 ✓
HO cars to T-33	0	112700	0	0	0	0	99900	0	0	0			212600 ✓
HO cars to T-67	0	0	0	0	0	0	0	0	0	0			0
HO T-67 to T-33	0	0	0	0	0	0	0	0	0	0			0
Vessel to T-200	0	0	14435522	0	0	0	0	0	0	9258970			23694492 ✓
Solid to T-65	0	0	0	0	0	0	0	0	0	0			0
Outage T-33 (24')	15.5	12	13.58	15	16.5	18.6	14	15.75	18	20.75			
Outage T-67 (29')	29'	29	29	29	29	29	29	29	29	29			
					Hours of Operation								
E-170	292	259	250	225	217	275	220	217	222	259			
E-270	316	351	278	269	256	298	230	260	267	329			
Boiler	225	181	180	128	153	183	175	139	147	182			
Fume System	213	175	178	106	131	174	158	125	147	178			



DEPARTMENT OF STATE POLICE  
OFFICE OF STATE FIRE MARSHAL

COMPANY NAME Koppers Inc  
DATE 11-20-03 FACILITY I.D. 006202 INITIALS OK  
SUBJECT 20 03 HAZARDOUS SUBSTANCE INFORMATION SURVEY

*We appreciate your effort, however...*

The enclosed Hazardous Substance Information Survey is being returned because it is missing information.

**PLEASE REPLY PROMPTLY**

The due date for this information is located in the upper left hand corner of the enclosed survey. Please provide and submit the missing information by that due date. If this due date has passed, provide and submit the information immediately upon receipt of this notice to minimize compliance actions.

All areas missing information have been highlighted on the survey pages to show you what needs to be completed. Please make sure **ALL** highlighted areas are completed or the survey will again be returned to you.

To identify what information is needed in the highlighted areas, refer to the instruction packet you received with the original survey mailing. The survey tables are provided on the back of this page to assist in the completion of the survey.

If you need assistance in completing the survey or have questions, please call the Hazardous Substance Information Hotline at 503-378-6835.

**IMPORTANT NOTICE:** Failure to return the COMPLETED survey by the date indicated above, will result in the issuance of a "Notice of Non-Compliance" and possible penalty assessment.

**INFORMATION MISSING FROM SURVEY ✓**

**Section A**

- |   |   |
|---|---|
| <input type="checkbox"/> Are Hazardous Substances Present | <input type="checkbox"/> Are Extremely Hazardous Substances Present |
| <input type="checkbox"/> Are 112R Substances Present      |   |

**Section B**

- |  |  |
|--|--|
| <input type="checkbox"/> Business Activity | <input type="checkbox"/> Number of Employees                 |
| <input type="checkbox"/> Managers Name     | <input type="checkbox"/> Emergency Assistance Contact Person |
| <input type="checkbox"/> Business Name     | <input type="checkbox"/> Emergency Contact Phone Numbers     |
| <input type="checkbox"/> Site Address      | <input type="checkbox"/> Responding Fire Department          |
| <input type="checkbox"/> Business Phone    | <input type="checkbox"/> Special Fire Department Information |

**Section C**

- ☐ Signature

**Section D**

- ☐ Common Name/Trade Name

- ☐ Amount In
- ☐ Amount Out
- ☐ Number of Days on Site
- ☐ Storage Codes
- ☐ Hazard Classes
- ☐ Storage Location (At least one location must be provided for each substance. See example on reverse)

THE MAX CODE IN THE STORAGE LOCATION FIELD CAN NOT BE LARGER THAN THE MAX AMOUNT CODE FOR THE CHEMICAL.

- ☐ Average Amount
- ☒ Maximum Amount

*Changed*

*MAKE SURE they match the "Highest" printed*

Comments: **Highlighted information on the survey is required**

For assistance, call the Hazardous Substance Information Hotline at 503-378-6835.

# TABLES TO BE USED FOR COMPLETION OF SURVEY

Note: A hazardous substance possession fee may be assessed based on the information provided. It is important that you take particular care in accurately reporting the "Hazardous Ingredient" and the "Maximum Amount" of each hazardous substance possessed. Over-reporting may result in a higher than required fee while under-reporting or failing to report could subject your facility to citation and monetary penalties.

TABLE IV - STORAGE CODES

Code	Type of Storage
A	Aboveground tank
B	Underground tank
C	Tank inside building
D	Steel drum
E	Plastic or non-metallic drum
F	Can
G	Carboys
H	Silo
I	Fiber drum
J	Bag
K	Box
L	Cylinder
M	Glass bottles or jugs
N	Plastic bottles or jugs
O	Totebin
P	Tank wagon
Q	Railcar
R	Other
S	Dewar

TABLE I  
PHYSICAL STATE

1=SOLID
2=LIQUID
3=GAS

TABLE II  
QUANTITY UNITS

1=POUNDS
2=GALLONS
3=CUBIC FEET
4=MILLICURIES

TABLE III - REPORTING QUANTITIES  
(AMOUNTS) AND CODES

CODE	AMOUNT	CODE	AMOUNT
00	0	4	19
01	1	5	199
02	10	6	499
03	20	7	999
04	50	8	4,999
10	200	9	9,999
11	500	0	49,999
20	1,000	1	99,999
21	5,000	2	249,999
30	10,000	3	499,999
31	50,000	4	749,999
40	100,000	5	999,999
41	250,000	6	2,499,999
42	500,000	7	4,999,999
43	750,000	8	7,499,999
50	1,000,000	9	9,999,999
51	2,500,000	0	24,999,999
52	5,000,000	1	49,999,999
53	7,500,000	2	74,999,999
60	10,000,000	3	99,999,999
61	25,000,000	4	249,999,999
70	50,000,000	5	499,999,999
71	75,000,000	6	749,999,999
80	100,000,000	7	999,999,999
81	250,000,000	8	2,499,999,999
90	500,000,000	9	4,999,999,999
91	750,000,000	0	7,499,999,999
99	1 BILLION	1	HIGHER THAN 1 BILLION

TABLE V - TEMPERATURE AND PRESSURE CONDITIONS  
AND STORAGE CODES

Codes	Storage Conditions
1	(PRESSURE) Normal pressure
2	Greater than normal pressure
3	Less than normal pressure
4	(TEMPERATURE) Normal temperature
5	Greater than normal temperature
6	Less than normal temperature but not cryogenic
7	Cryogenic conditions

EXAMPLE: Marksman Herbicide in the main building is kept in a tank inside the building, at normal pressure and normal temperature.

Table IV shows you that the code for a tank inside a building is C. Table V shows you that the code for normal pressure is 1 and the code for normal temperature is 4.

You enter: C 1 4

TABLE VI - HAZARD CLASSIFICATION CODES

Code	Class	Code	Class
(1.1)	Class A Explosives	(4.3)	Dangerous When Wet
(1.2)	Class B Explosives	(4.4)	Reactive Material
(1.3)	Class C Explosives	(4.5)	Combustible Materials
(1.4)	Blasting Agents	(5.1)	Oxidizers
(1.5)	Insensitive Explosives	(5.2)	Organic Peroxides
(2.1)	Flammable Gases	(6.1)	Poisonous Materials
(2.2)	Nonflammable Gases	(6.2)	Etiologic Materials
(2.3)	Poison Gases	(6.3)	Acute Health Hazard
(3.1)	Flammable Liq. (FP less than 0°F)	(6.4)	Chronic Health Hazard
(3.2)	Flammable Liq. (FP between 0°F & 73°F)	(6.5)	Pesticide
(3.3)	Flammable Liq. (FP between 73°F & 141°F)	(7.3)	Radioactive Materials
(4.1)	Flammable Solids	(8.0)	Corrosives
(4.2)	Spontaneously Combustible Material	(9.0)	Misc. Hazardous Materials

## SECTION D - EXAMPLE

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT

MARKSMAN HERBICIDE  
ATRAZINE

<input type="checkbox"/> EHS	<input type="checkbox"/> 112R	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	UN/NA NO. (IF KNOWN)
<input type="checkbox"/> PSM		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLE IV & V	USE TABLE VI	
<input checked="" type="checkbox"/> 2	1-PURE 2-MIXTURE	[ 2 ]	[ 2 ]	[ 04 ]	[ 04 ]	[ 11 ]	[ 11 ]	[ 365 ]	[ C ] [ 1 ] [ 4 ]	6.3 6.5	3082
<input type="checkbox"/> NO LONGER REPORTABLE		EPA PESTICIDE REGISTRATION NO. 55947-39						CAS NO. (IF KNOWN) 1912-24-9			

LOCATION	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete							
<input type="checkbox"/>	[ 1 ]	[ MAINTENANCE BLDG ]	[ 1 ]	[ CHEMICAL STORAGE ]	[ 3 ]	[ N ]	[ 04 ]

**2003  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information Survey**

Facility ID number  
**006202**

**SECTION D**

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **COAL TAR PITCH-LIQUID**

Hazardous Ingredient: **COAL TAR PITCH**

- ☐ No Longer Reportable  
☐ 112R  
☐ EHS  
☐ PSM  
☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	40	50	50	51	365	A 1 5	4.5	3257	CAS No. if known 65996-93-2

**LOCATION**

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	CONTROL RM-5	1	TANK FARM	TANK T-68	C	40
<input type="checkbox"/>	O	CONTROL RM-5	1	UPPER LEVEL	TANK T-65	C	43
<input type="checkbox"/>	O	PENCIL PITCH	1	UPPER LEVEL	TANK T-200	NE	50
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: **COAL TAR PITCH-SOLID**

Hazardous Ingredient: **PYRENE**

- ☐ No Longer Reportable  
☐ 112R  
☐ EHS  
☐ PSM  
☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	42	60	41	42	365	R 1 4	4.5	3077	CAS No. if known 65996-93-2

**LOCATION**

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	I	PENCIL PITCH Pitch Storage Bldg.	1	NA	NA	E	60
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: **DIESEL #2**

Hazardous Ingredient: **DIESEL FUEL #2**

- ☐ No Longer Reportable  
☐ 112R  
☐ EHS  
☐ PSM  
☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Reg
2	2	04	04	20	00	365	E 1 4	3.3	1993	CAS No. if known 68476-34-6

**LOCATION**

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	EMPLOYEE SVC 2	1	OIL STGE SHED	DRUMS	NE	04
<input type="checkbox"/>	O	Boiler House	1	UPPER LEVEL	TANK DSL-1	SE	20
<input type="checkbox"/>	O	South of Shop	1	UPPER LEVEL	TANK DSL-1	C	20

OREGON STATE FIRE MARSHAL  
Hazardous Substance Information Survey

SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **GASOLINE**

Hazardous Ingredient: **PETROLEUM DISTILLATES**

- ☐ No Longer Reportable  
☐ 112R  
☐ EHS  
☐ PSM  
☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
2	2	02	02	04	04	365	N 1 4	3.1	1203	CAS No. if known 8006-61-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	EMPLOYEE SVC 2	1	OIL STGE SHED	FLAM STGE CABNT	NE	02
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: **HEAVY CREOSOTE DISTILLATE**

Hazardous Ingredient: **CREOSOTE**

- ☐ No Longer Reportable  
☐ 112R  
☐ EHS  
☐ PSM  
☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Regist
2	2	21	31	30	31	365	A 1 5	4.5	3082	CAS No. if known 65996-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	CONTROL RM-3	1	TANK FARM	TANK T-67	C	30
<input type="checkbox"/>	O	CONTROL RM-5	1	TANK FARM	TANK T-33	C	30
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: **MOTOR OIL**

Hazardous Ingredient: **PETROLEUM HYDROCARBONS**

- ☐ No Longer Reportable  
☐ 112R  
☐ EHS  
☐ PSM  
☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
2	2	04	04	04	00	365	D 1 4	4.5	1270	CAS No. if known 64742-54-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	EMPLOYEE SVC 2	1	OIL STGE SHED	NA	NE	04
<input type="checkbox"/>							
<input type="checkbox"/>							

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: November 30, 2003

Facility ID Number:  
006202

2003

OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

**SECTION A HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

- ☒ YES ☐ NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?  
☒ YES ☐ NO 2. Were Extremely Hazardous Substances (EHS) present at this site at or above the threshold planning quantities during this survey period?  
☐ YES ☒ NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?  
☐ YES ☒ NO 4. Is this facility subject to the Process Safety Management (PSM) requirements of OR-OSHA?

**SECTION B DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. NAICS CODE 1: 325192 DEFINITION: *Cyclic Crude & Intermediate Manufacturing*  
2. NAICS CODE 2: DEFINITION:  
3. BUSINESS ACTIVITY AT THIS SITE: **COAL TAR PITCH TERMINAL**  
4. DUN & BRADSTREET #: 02-773-4359  
5. MANAGER'S NAME: **AMOS S KAMERER**  
6. SEND TO ATTENTION OF: **AMOS S KAMERER**  
7. E-MAIL ADDRESS: **KAMERERAS@KOPPERS.COM**  
8. BUSINESS NAME: **KOPPERS INC**  
9. DEPT OR DIV:  
10. SITE ADDRESS: **7540 NW ST HELENS RD**  
CITY: **PORTLAND**  
COUNTY: **MULTNOMAH**  
STATE: **OR** ZIP CODE: **97210-3663**  
11. MAILING ADDRESS: **7540 NW ST HELENS RD**  
CITY: **PORTLAND**  
COUNTY: **MULTNOMAH**  
STATE: **OR** ZIP CODE: **97210-3663**  
12. BUSINESS PHONE: **503-286-3681**  
13. NUMBER OF EMPLOYEES AT THIS SITE: **4**  
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: **AMOS S KAMERER**  
15. EMERGENCY CONTACT PHONES:  
DAY: **503-286-3681** NIGHT: **503-246-8045**  
16. RESPONSIBLE FIRE DEPARTMENT: **PORTLAND FIRE BUREAU**

**SPECIAL FIRE DEPARTMENT INFORMATION** This section is for information the fire service needs to know in case of an emergency.

17. ☒ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Office And Control Room  
18. ☐ YES ☒ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.  
19. ☒ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?  
20. ☐ YES ☒ NO ARE OTHER TYPES OF PLACARDS USED?

**AMOS S KAMERER**  
**KOPPERS INC**

**7540 NW ST HELENS RD**  
**PORTLAND, OR 97210-3663**

CC: FAX - T. SELF

**SECTION C PERSON COMPLETING FORM**

Signature required: I certify that the information provided is true and accurate to the best of my knowledge. This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: Amos S. Kamerer  
2. SIGNATURE: [Signature]  
3. Date: 11/18/03 Phone: 503-286-3681 Ext: 11

For office use only: R F DE I C

Koppers012043

Chemical  
Form

2003  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information Survey

Facility ID Number  
006202

SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ACETONE**

Hazardous Ingredient: **ACETONE**

☒ No Longer Reportable

☐ 112R

☐ EHS

☐ PSM

☒ 1-Pure  
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table II	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
2	2	01	01	00	00	365	F 1 4	3.1	1090	CAS No. if known 67-64-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	I	OFFICE 1	1	LABORATORY	FLAM STGE CABNT	E	01
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: **ACETYLENE**

Hazardous Ingredient: **ACETYLENE**

☐ No Longer Reportable

☐ 112R

☐ EHS

☐ PSM

☒ 1-Pure  
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table II	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
3	3	10	10	10	00	365	L 2 4	2.1	1001	CAS No. if known 74-86-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	MAINT SHOP 4	1	IN FRONT OF BLD	NA	C	10
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: **BIG ORANGE SOLVENT**

Hazardous Ingredient: **D-LIMONENE**

☒ No Longer Reportable

☐ 112R

☐ EHS

☐ PSM

☒ 1-Pure  
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table II	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
2	2	01	01	00	00	365	D 1 4	3.3		CAS No. if known 5989-27-5

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	I	OFFICE 1	1	LABORATORY	FLAM STGE CABNT	E	01
<input type="checkbox"/>							
<input type="checkbox"/>							

Chemical  
Form2003  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information SurveyFacility ID Number  
006202

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: COAL TAR PITCH-LIQUID

Hazardous Ingredient: COAL TAR FITCH

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	40	50	50	51	365	A 1 5	4.5	3257	CAS No. if known 65996-93-2
[ ]	[ ]	[41]	[ ]	[51]	[ ]	[ ]	[ ]	6.4	[ ]	[ ]

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	CONTROL RM-5	1	TANK FARM	TANK T-68	C	40
<input type="checkbox"/>	O	CONTROL RM-5	1	UPPER LEVEL	TANK T-65	C	43
<input type="checkbox"/>	O	PENCIL PITCH	1	UPPER LEVEL	TANK T-200	NE	50
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: COAL TAR PITCH-SOLID

Hazardous Ingredient: PYRENE

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	42	60	41	42	365	R 1 4	4.5	3077	CAS No. if known 65996-93-2
[ ]	[ ]	[30]	[51]	[00]	[52]	[ ]	[ ]	6.4	[ ]	[ ]

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	I	PENCIL PITCH Pitch Storage Bldg.	1	NA	NA	NE	60
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: DIESEL #2

Hazardous Ingredient: DIESEL FUEL #2

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	20	00	365	E 1 4	3.3	1993	CAS No. if known 68476-34-6
[ ]	[ ]	[ ]	[20]	[ ]	[ ]	[ ]	[ ]	6.4	[ ]	[ ]

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	EMPLOYEE SVC 2	1	OIL STGE SHED	DRUMS	NE	04
<input type="checkbox"/>	O	Boiler House	1	UPPER LEVEL	TANK DSL-1	SE	20
<input type="checkbox"/>	O	South of Shop	1	UPPER LEVEL	TANK DSL-1	C	20

Chemical  
Form2003  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information SurveyFacility ID Number  
006202

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **GASOLINE**Hazardous Ingredient: **PETROLEUM DISTILLATES**☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	02	02	04	04	365	N 1 4 F 1 4	3.1 6.3	1203	CAS No. if known 8006-61-9

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	EMPLOYEE SVC 2	1	OIL STGE SHED	FLAM STGE CABNT	NE	02
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **HEAVY CREOSOTE DISTILLATE**Hazardous Ingredient: **CREOSOTE**☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	31	30	31	365	A 1 5 Q 1 5	4.5	3082	CAS No. if known 65996-92-1

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	CONTROL RM-3	1	TANK FARM	TANK T-67	C	30
<input type="checkbox"/>	O	CONTROL RM-5	1	TANK FARM	TANK T-33	C	30
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **MOTOR OIL**Hazardous Ingredient: **PETROLEUM HYDROCARBONS**☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	04	00	365	D 1 4	4.5 6.4	1270	CAS No. if known 64742-54-7

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	EMPLOYEE SVC 2	1	OIL STGE SHED	NA	NE	04
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]



2003  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information SurveyFacility ID Number  
006202

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: NITROGEN [ ]

Hazardous Ingredient: NITROGEN [ ]

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure☐ 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
3	2	20	20	30	30	365	A 2 6	2.2	1066	CAS No. if known 7727-37-9

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	EMPLOYEE SVC 2	1	UPPER LEVEL	NITROGEN TANK	NE	20
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: OXYGEN [ ]

Hazardous Ingredient: OXYGEN [ ]

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure☐ 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
3	3	11	11	10	00	365	L 2 4	2.2	1072	CAS No. if known 7782-44-7

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	MAINT SHOP 4	1	IN FRONT OF BLD	NA	C	11
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: PETROLEUM PROCESS OIL, CALORIA HT 43 [ ]

Hazardous Ingredient: PETROLEUM DISTILLATES [ ]

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 2-Pure☐ 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
2	2	21	21	21	00	365	A 1 5	4.5		CAS No. if known

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	CONTROL RM 5	1	UPPER LEVEL	TANK T-240	C	20
<input type="checkbox"/>	O	CONTROL RM 5	1	UPPER LEVEL	TANK T-250	C	20
<input type="checkbox"/>	O	EMPLOYEE SVC 2	1	OIL STGE SHED	DRUM	NE	04
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Chemical  
Form

**2003**  
**OREGON STATE FIRE MARSHAL**  
**Hazardous Substance Information Survey**

**Facility ID Number**  
**006202**

**SECTION D**

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **PROPANE**

Hazardous Ingredient: **PROPANE**

☐ No Longer Reportable

☐ 112R

☐ EHS

☐ PSM

☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	04	04	20 11	00	365	L 2 6	2.1 6.3	1075	CAS No. if known 74-98-6

**LOCATION**

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	CONTROL RM 5	1	IN FRONT OF BLD	NA	C	02
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: **QUINOLINE REFINED**

Hazardous Ingredient: **QUINOLINE**

☒ No Longer Reportable

☐ 112R

☐ EHS

☐ PSM

☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	02	02	02	00	365	F 1 4	8.0	1760	CAS No. if known 91-22-5

**LOCATION**

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	I	OFFICE 1	1	LABORATORY	FLAM STGE CABNT	E	02
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: **SODIUM HYDROXIDE**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable

☐ 112R

☐ EHS

☐ PSM

☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	11	11	20	00	365	I 1 4	8.0 6.3	1823	CAS No. if known 1310-73-2

**LOCATION**

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	I	BOILER HOUSE 2	1	UPPER LEVEL	DRUM	E	11
<input type="checkbox"/>							
<input type="checkbox"/>							

2003  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information SurveyFacility ID Number  
006202

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: SODIUM SULFITE [ ]

Hazardous Ingredient: SODIUM SULFITE [ ]

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure [ ]☐ 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
1	1	11	11	20	00	365	I 1 4	6.3		
CAS No. if known 7757-83-7										

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	I	BOILER HOUSE 2	1	UPPER LEVEL	DRUM	E	11
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: TOLUENE [ ]

Hazardous Ingredient: TOLUENE [ ]

☒ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure [ ]☐ 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
2	2	01	01	00	00	365	D 1 4	3.2		
CAS No. if known 108-88-3										

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	I	OFFICE 1	1	LABORATORY	FLAM STGE CABNT	E	01
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: XYLENE [ ]

Hazardous Ingredient: XYLENE [ ]

☒ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure [ ]☐ 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
2	2	01	01	00	00	365	D 1 4	3.3		
CAS No. if known 1330-20-7										

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	I	OFFICE 1	1	LABORATORY	FLAM STGE CABNT	E	01
<input type="checkbox"/>							
<input type="checkbox"/>							

DEPARTMENT OF STATE POLICE  
OFFICE OF STATE FIRE MARSHAL

Received 11/26/02  
Returned 11/27/02

COMPANY NAME Koppers Industries Inc  
DATE 11-21-02 FACILITY I.D. 006202 INITIALS QB  
SUBJECT 20 02 HAZARDOUS SUBSTANCE INFORMATION SURVEY

We appreciate your effort, however...

The enclosed Hazardous Substance Information Survey is being returned because it is missing information.

**PLEASE REPLY PROMPTLY**

The due date for this information is located in the upper left hand corner of the enclosed survey. Please provide and submit the missing information by that due date. If this due date has passed, provide and submit the information immediately upon receipt of this notice to minimize compliance actions.

All areas missing information have been highlighted on the survey pages to show you what needs to be completed. Please make sure **ALL** highlighted areas are completed or the survey will again be returned to you.

To identify what information is needed in the highlighted areas, refer to the instruction packet you received with the original survey mailing. The survey tables are provided on the back of this page to assist in the completion of the survey.

If you need assistance in completing the survey or have questions, please call the Hazardous Substance Information Hotline at 503-378-6835.

**IMPORTANT NOTICE:** Failure to return the COMPLETED survey by the date indicated above, will result in the issuance of a "Notice of Non-Compliance" and possible penalty assessment.

**INFORMATION MISSING FROM SURVEY ✓**

**Section A**

- ☐ Are Hazardous Substances Present  
☐ Are 112R Substances Present

- ☐ Are Extremely Hazardous Substances Present

**Section B**

- ☐ Business Activity  
☐ Managers Name  
☐ Business Name  
☐ Site Address  
☐ Business Phone

- ☐ Number of Employees  
☐ Emergency Assistance Contact Person  
☐ Emergency Contact Phone Numbers  
☐ Responding Fire Department  
☐ Special Fire Department Information

**Section C**

- ☐ Signature

**Section D**

- ☐ Common Name/Trade Name

THE MAX CODE IN THE STORAGE LOCATION FIELD CAN NOT BE LARGER THAN THE MAX AMOUNT CODE FOR THE CHEMICAL.

- ☐ Average Amount  
☒ Maximum Amount

- ☐ Amount In  
☐ Amount Out  
☐ Number of Days on Site  
☐ Storage Codes  
☐ Hazard Classes  
☐ Storage Location

2 Items:

CT Pitch (solid)

max code changed from

61 to 60

Hvy. Ceca. Dist.:

T-67 changed to

30 from 40

Also changed H.O. tank # from 65 to 67, which was incorrect

Comments \_\_\_\_\_

For assistance, call the Hazardous Substance Information Hotline at 503-378-6835.

Koppers012050

# TABLES TO BE USED FOR COMPLETION OF SURVEY

**Note:** A hazardous substance possession fee may be assessed based on the information provided. It is important that you take particular care in accurately reporting the "Hazardous Ingredient" and the "Maximum Amount" of each hazardous substance possessed. Over-reporting may result in a higher than required fee while under-reporting or failing to report could subject your facility to citation and monetary penalties.

**TABLE IV - STORAGE CODES**

Code	Type of Storage
A	Aboveground tank
B	Underground tank
C	Tank inside building
D	Steel drum
E	Plastic or non-metallic drum
F	Can
G	Carboy
H	Silo
I	Fiber drum
J	Bag
K	Box
L	Cylinder
M	Glass bottles or jugs
N	Plastic bottles or jugs
O	Pot or tub
P	Tank wagon
Q	Railcar
R	Other
S	Dewar

**TABLE I**

**TABLE II**

PHYSICAL STATE	QUANTITY UNITS
1=SOLID	1=POUNDS
2=LIQUID	2=GALLONS
3=GAS	3=CUBIC FEET
	4=MILLICURIES

**TABLE III - REPORTING QUANTITIES (AMOUNTS) AND CODES**

**TABLE V - TEMPERATURE AND PRESSURE CONDITIONS AND STORAGE CODES**

CODE	FROM	TO
00	0	4
01	5	9
02	10	19
03	20	49
04	50	999,999
10	200	499
11	500	999
20	1,000	4,999
21	5,000	9,999
30	10,000	49,999
31	50,000	99,999
40	100,000	249,999
41	250,000	499,999
42	500,000	749,999
43	750,000	999,999
50	1,000,000	2,499,999
51	2,500,000	4,999,999
52	5,000,000	7,499,999
53	7,500,000	9,999,999
60	10,000,000	24,999,999
61	25,000,000	49,999,999
70	50,000,000	74,999,999
71	75,000,000	99,999,999
80	100,000,000	249,999,999
81	250,000,000	499,999,999
90	500,000,000	749,999,999
91	750,000,000	999,999,999
99	1 BILLION	HIGHER THAN 1 BILLION

Codes	Storage Conditions
1	(PRESSURE)
2	Normal pressure
3	Greater than normal pressure
4	Less than normal pressure
5	(TEMPERATURE)
6	Normal temperature
7	Greater than normal temperature
8	Less than normal temperature but not cryogenic
9	Cryogenic conditions

**EXAMPLE:** Marksman Herbicide in the main building is kept in a tank inside the building, at normal pressure and normal temperature.

Table IV shows you that the code for a tank inside a building is C. Table V shows you that the code for normal pressure is 1 and the code for normal temperature is 4.

You enter: **C 1 4**

**TABLE VI - HAZARD CLASSIFICATION CODES**

Code	Class	Code	Class
(1.1)	Class A Explosives	(4.3)	Dangerous When Wet
(1.2)	Class B Explosives	(4.4)	Reactive Material
(1.3)	Class C Explosives	(4.5)	Combustible Materials
(1.4)	Blasting Agents	(5.1)	Oxidizers
(1.5)	Insensitive Explosives	(5.2)	Organic Peroxides
(2.1)	Flammable Gases	(6.1)	Poisonous Materials
(2.2)	Nonflammable Gases	(6.2)	Etiologic Materials
(2.3)	Poison Gases	(6.3)	Acute Health Hazard
(3.1)	Flammable Liq. (FP less than 0°F)	(6.4)	Chronic Health Hazard
(3.2)	Flammable Liq. (FP between 0°F & 73°F)	(6.5)	Pesticide
(3.3)	Flammable Liq. (FP between 73°F & 141°F)	(7.3)	Radioactive Materials
(4.1)	Flammable Solids	(8.0)	Corrosives
(4.2)	Spontaneously Combustible Material	(9.0)	Misc. Hazardous Materials

## SECTION D - EXAMPLE

COMMON NAME/TRADE NAME:

**MARKSMAN HERBICIDE**

HAZARDOUS INGREDIENT

**ATRAZINE**

<input type="checkbox"/> EHS	<input type="checkbox"/> PSM	<input type="checkbox"/> 1-PURE	<input type="checkbox"/> 2-MIXTURE	<input type="checkbox"/> NO LONGER REPORTABLE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	UNNA NO. (IF KNOWN)
					USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO	USE TABLE IV & V	USE TABLE VI	
					[2]	[2]	[04]	[04]	[11]	[11]	[365]	[C][1][4]	[6.3]	3082
					EPA PESTICIDE REGISTRATION NO							CAS NO (IF KNOWN)		
					55947-39							1912-24-9		

LOCATION	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/> Delete		MAINTENANCE BLDG		CHEMICAL STORAGE		N	04

Due Date: November 30, 2002

Facility ID Number  
006202

2002

OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

**SECTION A HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

- ☒ YES ☐ NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
- ☒ YES ☐ NO 2. Were Extremely Hazardous Substances (EHS) present at this site at or above the threshold planning quantities during this survey period?
- ☐ YES ☒ NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?
- ☐ YES ☒ NO 4. Is this facility subject to the Process Safety Management (PSM) requirements of OR-OSHA?

**SECTION B DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND INTERMEDIATES-MFG
2. SIC CODE 2: DEFINITION:
3. BUSINESS ACTIVITY AT THIS SITE: COAL TAR PITCH TERMINAL
4. DUN & BRADSTREET #: 02-773-4359
5. MANAGER'S NAME: AMOS S KAMERER
6. SEND TO ATTENTION OF: AMOS S KAMERER
7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM
8. BUSINESS NAME: KOPPERS INDUSTRIES INC
9. DEPT OR DIV:
10. SITE ADDRESS: 7540 NW ST HELENS RD  
CITY: PORTLAND  
COUNTY: MULTNOMAH  
STATE: OR ZIP CODE: 97210-3663
11. MAILING ADDRESS: 7540 NW ST HELENS RD  
CITY: PORTLAND  
COUNTY: MULTNOMAH  
STATE: OR ZIP CODE: 97210-3663
12. BUSINESS PHONE: 503-286-3681
13. NUMBER OF EMPLOYEES AT THIS SITE: 6
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE:  
AMOS S KAMERER
15. EMERGENCY CONTACT PHONES:  
DAY 503-286-3681 NIGHT 503-246-8045
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

**SPECIAL FIRE DEPARTMENT INFORMATION** This section is for information the fire service needs to know in case of an emergency.

17. ☒ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: OFFICE AND Control Room
18. ☒ YES ☒ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☒ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. YES ☒ NO ARE OTHER TYPES OF PLACARDS USED?

AMOS S KAMERER  
KOPPERS INDUSTRIES INC  
7540 NW ST HELENS RD  
PORTLAND, OR 97210-3663

**SECTION C PERSON COMPLETING FORM**

Signature required: I certify that the information provided is true and accurate to the best of my knowledge. This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: A. S. KAMERER
2. SIGNATURE: *A. S. KAMERER*
3. DATE: 11/20/02 PHONE NO: 503/286-3681

For office use only: R F DE I C

CC: T. Self, KII

2390

Koppers012052

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: ACETONE

Hazardous Ingredient: ACETONE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	2	2	01		00	00	365	F 1 4	3.1		
<input type="checkbox"/> No Longer Reportable									6.3	1090	CAS No. if known 67-64-1

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[ I ]	[ OFFICE #1 ]	[ 1 ]	[ Laboratory ]	[ Flammable Storage Cabinet ]	[ E ]	[ 01 ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: ACETYLENE

Hazardous Ingredient: ACETYLENE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	3	3	10		20	00	365	L 2 4	2.1		
<input type="checkbox"/> No Longer Reportable									6.3	1001	CAS No. if known 74-86-2

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[ O ]	[ MAINTENANCE SHOP #4 ]	[ 1 ]	[ IN FRONT OF BUILDING ]	[ NA ]	[ C ]	[ 10 ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: BIG ORANGE SOLVENT

Hazardous Ingredient: D-LIMONENE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	2	2	01		00	00	365	D 1 X	3.3		
<input type="checkbox"/> No Longer Reportable									6.3		CAS No. if known 5989-27-5

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[ I ]	[ OFFICE #1 ]	[ 1 ]	[ Laboratory ]	[ Flammable Storage Cabinet ]	[ E ]	[ 01 ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

2002  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information SurveyFacility ID Number  
006202

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name:

[ COAL TAR Pitch (Liquid) ]

Hazardous Ingredient:

[ PYRENE ]

☐ 112R☒ EHS☐ PSM☐ 1-Pure  
2-Mixture [ ]☐ No Longer  
Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
[ 2 ]	[ 2 ]	[ 40 ]	[ 50 ]	[ 50 ]	[ 51 ]	[ 365 ]	[ 4 ] [ 1 ] [ 5 ]	[ 4.6 ]	[ 6.4 ]	[ 65996-93.2 ]
										CAS No. if known
										[ 3257 ]

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[ 0 ]	[ Pencil Pitch Storage Bldg. ]	[ 1 ]	[ Upper Level ]	[ TANK # T-200 ]	[ NE ]	[ 50 ]
<input type="checkbox"/>	[ 0 ]	[ Control Room # 5 ]	[ 1 ]	[ Upper Level ]	[ TANK # T-65 ]	[ C ]	[ 43 ]
<input type="checkbox"/>	[ 0 ]	[ Control Room # 5 ]	[ 1 ]	[ Tank Farm ]	[ TANK # T-68 ]	[ SC ]	[ 40 ]

Common Name or Trade Name:

[ ]

Hazardous Ingredient:

[ ]

☐ 112R☐ EHS☐ PSM☐ 1-Pure  
2-Mixture [ ]☐ No Longer  
Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ]	[ ]	[ ]
										CAS No. if known
										[ ]

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name:

[ ]

Hazardous Ingredient:

[ ]

☐ 112R☐ EHS☐ PSM☐ 1-Pure  
2-Mixture [ ]☐ No Longer  
Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ]	[ ]	[ ]
										CAS No. if known
										[ ]

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]



**2002**  
**OREGON STATE FIRE MARSHAL**  
**Hazardous Substance Information Survey**

**Facility ID Number**  
**006202**

**SECTION D**

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **COAL TAR PITCH**[ *COAL TAR Pitch (solid)* ]Hazardous Ingredient: **PYRENE**☐ 112R☒ EHS☐ PSM

☒ 1-Pure [ ]  
☐ 2-Mixture [ ]  
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	<del>48</del> 42	60	<del>58</del> 41	42	365	R 1 4	4.5		
								6.4	3077	CAS No. if known 65996-93-2

**LOCATION**

In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete [ ]	[ I ]	[ Pencil Pitch Storage Bldg ]	[ 1 ]	[ NA ]	[ NA ]	[ NE ] [ 60 ]
Delete [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **DIESEL #2**Hazardous Ingredient: **DIESEL FUEL #2**☐ 112R☐ EHS☐ PSM

☒ 1-Pure [ ]  
☐ 2-Mixture [ ]  
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	20	00	365	E 1 4	3.3		
								6.4	1993	CAS No. if known 68476-34-6

**LOCATION**

In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete [ ]	[ 0 ]	[ Employee Service #2 ]	[ 1 ]	[ Oil Storage Shed ]	[ Drums ]	[ NE ] [ 04 ]
Delete [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **GASOLINE**Hazardous Ingredient: **PETROLEUM DISTILLATES**☐ 112R☐ EHS☐ PSM

☒ 1-Pure [ ]  
☐ 2-Mixture [ ]  
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	02	02	04	04	365	N 1 4	3.1		
							F 1 4	6.4	1203	CAS No. if known 8006-61-9

**LOCATION**

In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete [ ]	[ 0 ]	[ Employee Service #2 ]	[ 1 ]	[ Oil Storage Shed ]	[ Flammable Storage Cabinet ]	[ NE ] [ 02 ]
Delete [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

2002  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information Survey

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HEAVY CREOSOTE DISTILLATE**Hazardous Ingredient: **CREOSOTE**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure											
<input type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable											
	2	2	20		30	30	365	A 1 5	4.5	3082	CAS No. if known 65996-92-1

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete	[0]	Control Room #5	[1]	TANK FARM	TANK # T-33	[SC]	[30]
Delete	[0]	Control Room #3	[1]	TANK FARM	TANK # T-65	[SC]	[30]
Delete	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **MOTOR OIL**Hazardous Ingredient: **PETROLEUM HYDROCARBONS**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable											
	2	2	04		04	00	365	D 1 4	4.5	1270	CAS No. if known 64742-54-7

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete	[0]	Employee Service #2	[1]	Old Storage Shed	NA	[NE]	[04]
Delete	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **NITROGEN**Hazardous Ingredient: **NITROGEN**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure											
<input type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable											
	3	2	20		30	30	365	A 2 6	2.2	1066	CAS No. if known 7727-37-9

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete	[0]	Employee Service #2	[1]	Upper Level	Nitrogen Tank	[NE]	[20]
Delete	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: OXYGEN

Hazardous Ingredient: OXYGEN

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	3	3	11		28 10	00	365	L 2 4	2.2 5.1	1072	CAS No. if known 7782-44-7
<input type="checkbox"/> No Longer Reportable											

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[0]	MAINTENANCE Shop #4	[1]	IN front of Building	NA	[C]	[11]
<input type="checkbox"/>	[ ]						
<input type="checkbox"/>	[ ]						

Common Name or Trade Name: PERCHLOROETHYLENE

Hazardous Ingredient: PERCHLOROETHYLENE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	2	2	01		00	00	365	D 1 4	6.3 6.4	1897	CAS No. if known 127-18-4
<input checked="" type="checkbox"/> No Longer Reportable											

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[ ]						
<input type="checkbox"/>	[ ]						
<input type="checkbox"/>	[ ]						

Common Name or Trade Name: PETROLEUM PROCESS OIL, CALORIA HT 43

Hazardous Ingredient: PETROLEUM DISTILLATES

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	2	2	21		21	00	365	A 1 5	4.5		CAS No. if known
<input type="checkbox"/> No Longer Reportable											

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[0]	Control Room #5	[1]	Upper Level	TANK # T-240	[C]	[20]
<input type="checkbox"/>	[0]	Control Room #5	[1]	Upper Level	TANK # T-250	[C]	[20]
<input type="checkbox"/>	[0]	Employee Service # 2	[1]	Oil Storage Shed	Drum	[NE]	[04]

2002  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information SurveyFacility ID Number  
006202

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: PROPANE

Hazardous Ingredient: PROPANE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	3	2	04		20	00	365	L 2 6	2.1		
<input type="checkbox"/> No Longer Reportable				04					6.3	1075	CAS No. if known 74-98-6

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[0]	[Control Room #5]	[1]	[In front of Building]	[NA]	[C]	[02]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: QUINOLINE REFINED

Hazardous Ingredient: QUINOLINE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	2	2	02		02	00	365	F 1 4	8.0		
<input type="checkbox"/> No Longer Reportable				02						1760	CAS No. if known 91-22-5

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[I]	[Office #1]	[1]	[Laboratory]	[Flammable Storage Cabinet]	[E]	[02]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: SODIUM HYDROXIDE

Hazardous Ingredient: SODIUM HYDROXIDE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	1	1	11		20	00	365	I 1 4	8.0		
<input type="checkbox"/> No Longer Reportable				11					6.3	1823	CAS No. if known 1310-73-2

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[I]	[Boiler House #2]	[1]	[Upper Level]	[Drum]	[E]	[11]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

2002  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information SurveyFacility ID Number  
006202

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: SODIUM SULFITE

Hazardous Ingredient: SODIUM SULFITE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure	1	1	11		20	00	365	I 1 4	6.3		CAS No. if known
<input type="checkbox"/> 2-Mixture											7757-83-7
<input type="checkbox"/> No Longer Reportable											

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	I	Boiler House #2	1	Upper Level	Drum	E	11
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: TOLUENE

Hazardous Ingredient: TOLUENE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure	2	2	02		00	00	365	D 1 4	3.2		CAS No. if known
<input type="checkbox"/> 2-Mixture											108-88-3
<input type="checkbox"/> No Longer Reportable											

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	I	Office #1	1	Laboratory	Flammable Storage Cabinet	E	01
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: XYLENE

Hazardous Ingredient: XYLENE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure	2	2	02		00	00	365	D 1 4	3.3		CAS No. if known
<input type="checkbox"/> 2-Mixture											1330-20-7
<input type="checkbox"/> No Longer Reportable											

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	I	Office #1	1	Laboratory	Flammable Storage Cabinet	E	01
<input type="checkbox"/>							
<input type="checkbox"/>							



# Oregon

John A. Kitzhaber, M.D., Governor

Department of State Police

Office of State Fire Marshal

4760 Portland Road NE

Salem, OR 97305-1760

(503) 378-6835

Internet: oregon.sfm@state.or.us

## ***AVOID PENALTIES***

November 8, 2002

*Quality Service First*

KOPPERS INDUSTRIES INC  
AMOS S KAMERER  
7540 NW ST HELENS RD  
PORTLAND OR 97210-3663

FACILITY ID: 006202

LOCATION: 7540 NW ST HELENS RD PORTLAND OR

This is a reminder that your Hazardous Substance Information Survey is due by November 30, 2002. To ***AVOID PENALTIES*** be sure and mail the survey so it is postmarked no later than November 30, 2002.

Facilities that fail to submit their surveys on time are subject to a \$200 penalty. ***Our office does not want to assess penalties*** and for that reason we are sending this letter to those companies our records indicate have not submitted the survey.

If you have already submitted the survey, it may not have been processed at the time this notice was computer generated. To assure the survey has been received ***call 503-378-6835***.

If you have lost your survey or **need assistance** in completing the survey information, ***call*** the hazardous substance information hotline at ***503-378-6835***.

Thank you for your time.

Community Right to Know Unit

Koppers012060

# All Location Fields **MUST** Contain Information Unless Otherwise Noted Or the Survey Will Be Returned

If the Individual Location Field does not apply to the substance being reported, Enter "NA" in that field.

## ***IF THE SUBSTANCE IS STORED INSIDE A BUILDING USE THE FOLLOWING INSTRUCTIONS***

- In/Out** Enter an I to indicate the substance is stored inside a building.
- Building** **NA is not acceptable.** Enter the building name, number, or any other identifier used to describe the building, that the substance is stored in. **If only one building at the site, enter "Main".**  
EXAMPLES: Building 1, Building A, Warehouse, Fuel Shed, Equipment Shed, or Main
- Floor** Enter the floor number on which the substance is stored. If building is a single story, enter "1".
- Area** Enter what area of the building the substance is stored in. If no designation has been made, enter NA.  
EXAMPLES: Shipping Dock, Welding Area, Framing Area, Receiving Area, or NA
- Room** Enter which room the substance is stored in.  
EXAMPLES: Room 3, Parts Room, Storage Room, Tool Room, or NA

**Quadrant** **NA is not acceptable.** Enter the quadrant for the last field specified i.e. building, area or room.  
**OPTIONS:** N, S, E, W, NE, NW, SE, SW, C (center), V (various)

**Max Code** Fill in the Max Code for the substance being reported. Refer to Table III in the Instruction Booklet. This will be the maximum amount that is stored in **this** location.

## ***IF THE SUBSTANCE IS STORED OUTSIDE USE THE FOLLOWING INSTRUCTIONS***

- In/Out** Enter an O to indicate the substance is stored outside.
- Building** Enter the building name, number, or any other identifier used to describe the building that the substance is stored closest to. **If there are no buildings at the site, enter NA.**  
EXAMPLES: Building 1, Building A, Fuel Shed, or NA
- Floor** Leave Blank.
- Area** Enter the area where the substance is stored.  
EXAMPLES: Fueling, Drum Storage, Fenced Yard, Parking Lot, or NA
- Room** Enter NA

**Quadrant** **NA is not acceptable.** Enter the quadrant of the **site** where the substance is being stored.  
**OPTIONS:** N, S, E, W, NE, NW, SE, SW, C (center), V (various)

**Max Code** Fill in the Max Code for the substance being reported. Refer to Table III in the Instruction Booklet. This will be the maximum amount that is stored in **this** location.

## ***ENTERING ACCUMULATIVE AMOUNTS THAT MEET REPORTABLE QUANTITIES***

If your facility does not have a reportable quantity in a single location, but the total amount throughout the facility reaches the OSFM reportable quantity, enter **"various"** on the first location line in the **"Building"** column.

### **EXAMPLE**

ABC Manufacturing uses motor oil at their facility. The motor oil is stored in twelve, five gallon buckets in multiple locations throughout the site, which adds up to a reportable quantity. Below is an example of how ABC Manufacturing would correctly report this motor oil on Section D of the survey. **NOTE: Floor field is left blank.**

In/Out	Building	Floor	Area	Room	Quadrant	Max Code
[I]	[Various]	[ ]	[NA]	[NA]	[V]	[04]

- **Incomplete surveys will be returned** to the facility and **will not** be considered “received” by the Office of State Fire Marshal.
- **Maximum amount codes and substance storage locations must be provided** or the survey will be considered incomplete and returned to the facility.
- Facilities not submitting a completed survey by the due date will be issued a Notice of Non-compliance and Proposed Penalty Assessment Order as required by OAR 837-85-0090(2).

# ATTENTION! IMPORTANT CHANGES!

**THERE HAVE BEEN CRITICAL CHANGES MADE THAT WILL AFFECT HOW THE 2002 HAZARDOUS SUBSTANCE INFORMATION SURVEY IS COMPLETED. CAREFULLY READ THE FOLLOWING EXPLANATION OF THESE CHANGES AND REFER TO THE INSTRUCTION BOOKLET FOR DETAILS.**

- **The maximum amount codes** for previously reported substances have **not** been preprinted on the 2002 survey. **The maximum amount code must be reviewed and provided for each reportable substance** at the site **AND** for each **storage location** listed for the substance.
- **Report each substance name only once.** Identify different locations for the substance in the location fields provided.
- **The storage locations** for previously reported substances have not been pre-printed on the 2002 survey. Storage locations must be provided using the new format. **Detailed Instructions** are provided on the reverse side of this sheet.
- All locations containing a reportable quantity of a substance must be included in the “location” field of Section D along with the maximum amount code for that location.
- If there are more locations with reportable quantities than space allows, enter the additional locations on the **Section E Form** provided.
- If the facility does not have a reportable quantity in a single location but the accumulative amount throughout the facility reaches the OSFM reportable quantity, enter “various” on the first location line in the “Building” column.
- At least one location must be entered for each substance name reported.
- See the Instruction Booklet for additional information.
- **A new box has been added to Section A and Section D** that refers to the Process Safety Management (PSM) requirements of OR-OSHA. See the Instruction Booklet for additional information.
- **If the facility has an e-mail address**, please enter it in the space provided in Section B. If you do not have an e-mail address, please enter “NA”.



Due Date: November 30, 2002

Facility ID Number  
006202

2002

**OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY**

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

**SECTION A HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

- ☐ YES ☐ NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?  
☐ YES ☐ NO 2. Were Extremely Hazardous Substances (EHS) present at this site at or above the threshold planning quantities during this survey period  
☐ YES ☐ NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?  
☐ YES ☐ NO 4. Is this facility subject to the Process Safety Management (PSM) requirements of OR-OSHA?

**SECTION B DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND INTERMEDIATES-MFG  
 2. SIC CODE 2: DEFINITION:  
 3. BUSINESS ACTIVITY AT THIS SITE: COAL TAR PITCH TERMINAL  
 4. DUN & BRADSTREET #: 02-773-4359  
 5. MANAGER'S NAME: AMOS S KAMERER  
 6. SEND TO ATTENTION OF: AMOS S KAMERER  
 7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM  
 8. BUSINESS NAME: KOPPERS INDUSTRIES INC  
 9. DEPT OR DIV:  
 10. SITE ADDRESS: 7540 NW ST HELENS RD  
 CITY: PORTLAND  
 COUNTY: MULTNOMAH  
 STATE: OR ZIP CODE: 97210-3663  
 11. MAILING ADDRESS: 7540 NW ST HELENS RD  
 CITY: PORTLAND  
 COUNTY: MULTNOMAH  
 STATE: OR ZIP CODE: 97210-3663  
 12. BUSINESS PHONE: 503-286-3681  
 13. NUMBER OF EMPLOYEES AT THIS SITE: 6  
 14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE:  
 AMOS S KAMERER  
 15. EMERGENCY CONTACT PHONES:  
 DAY 503-286-3681 NIGHT 503-246-8045  
 16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

**SPECIAL FIRE DEPARTMENT INFORMATION** This section is for information the fire service needs to know in case of an emergency.

17. ☐ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE:  
 18. ☐ YES ☐ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.  
 19. ☐ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?  
 20. ☐ YES ☐ NO ARE OTHER TYPES OF PLACARDS USED?

**SECTION C PERSON COMPLETING FORM**

Signature required: I certify that the information provided is true and accurate to the best of my knowledge. This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: \_\_\_\_\_  
 2. SIGNATURE \_\_\_\_\_  
 3. DATE: \_\_\_\_\_ PHONE NO: \_\_\_\_\_

For office use only: R E DE / C

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: ACETONE

Hazardous Ingredient: ACETONE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure											
<input type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable											
	2	2	01		00	00	365	F 1 4	3.1	1090	CAS No. if known 67-64-1

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: ACETYLENE

Hazardous Ingredient: ACETYLENE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure											
<input type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable											
	3	3	10		20	00	365	L 2 4	2.1	1001	CAS No. if known 74-86-2

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: BIG ORANGE SOLVENT

Hazardous Ingredient: D-LIMONENE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure											
<input type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable											
	2	2	03		00	00	365	D 1	3.3		CAS No. if known 5989-27-5

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							

2002  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information Survey

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: COAL TAR PITCH

Hazardous Ingredient: PYRENE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure	1	1	43		53	42	365	R 1 4	4.5		
<input type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable									6.4	3077	CAS No. if known 65996-93-2

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete							
Delete							
Delete							

Common Name or Trade Name: DIESEL #2

Hazardous Ingredient: DIESEL FUEL #2

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure	2	2	04		20	00	365	E 1 4	3.3		
<input type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable									6.4	1993	CAS No. if known 68476-34-6

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete							
Delete							
Delete							

Common Name or Trade Name: GASOLINE

Hazardous Ingredient: PETROLEUM DISTILLATES

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure	2	2	02		04	04	365	N 1 4	3.1		
<input type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable								F 1 4	6.4	1203	CAS No. if known 8006-61-9

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete							
Delete							
Delete							

2002  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information Survey

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HEAVY CREOSOTE DISTILLATE**Hazardous Ingredient: **CREOSOTE**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	2	2	20		00	30	365	A 1 5 Q 1 5	4.5	3082	CAS No. if known 65996-92-1
<input type="checkbox"/> No Longer Reportable											

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **MOTOR OIL**Hazardous Ingredient: **PETROLEUM HYDROCARBONS**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 2-1-Pure 2-Mixture [ ]	2	2	04		04	00	365	D 1 4	4.5	1270	CAS No. if known 64742-54-7
<input type="checkbox"/> No Longer Reportable											

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **NITROGEN**Hazardous Ingredient: **NITROGEN**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-1-Pure 2-Mixture [ ]	3	2	20		30	30	365	A 2 6	2.2	1066	CAS No. if known 7727-37-9
<input type="checkbox"/> No Longer Reportable											

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: OXYGEN

Hazardous Ingredient: OXYGEN

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture No Longer Reportable	3	3	11		20	00	365	L 2 4	2.2 5.1	1072	CAS No. if known 7782-44-7

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: PERCHLOROETHYLENE

Hazardous Ingredient: PERCHLOROETHYLENE

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture No Longer Reportable	2	2	01		00	00	365	D 1 4	6.3 6.4	1897	CAS No. if known 127-18-4

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: PETROLEUM PROCESS OIL, CALORIA HT 43

Hazardous Ingredient: PETROLEUM DISTILLATES

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture No Longer Reportable	2	2	21		21	00	365	A 1 5	4.5		CAS No. if known

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
<input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

2002  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information Survey

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **PROPANE**Hazardous Ingredient: **PROPANE**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	3	2	04		20	00	365	L 2 6	2.1		
<input type="checkbox"/> No Longer Reportable									6.3	1075	CAS No. if known 74-98-6

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **QUINOLINE REFINED**Hazardous Ingredient: **QUINOLINE**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	2	2	02		02	00	365	F 1 4	8.0		
<input type="checkbox"/> No Longer Reportable										1760	CAS No. if known 91-22-5

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **SODIUM HYDROXIDE**Hazardous Ingredient: **SODIUM HYDROXIDE**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure 2-Mixture [ ]	1	1	11		20	00	365	I 1 4	8.0		
<input type="checkbox"/> No Longer Reportable									6.3	1823	CAS No. if known 1310-73-2

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

2002  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information Survey

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM SULFITE**Hazardous Ingredient: **SODIUM SULFITE**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure											
<input type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable											
	1	1	11		20	00	365	I 1 4	6.3		
											CAS No. if known 7757-83-7

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete							
<input type="checkbox"/>							
Delete							
<input type="checkbox"/>							
Delete							
<input type="checkbox"/>							

Common Name or Trade Name: **TOLUENE**Hazardous Ingredient: **TOLUENE**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure											
<input type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable											
	2	2	02		00	00	365	D 1 4	3.2		
								N 1 4	6.3	1294	CAS No. if known 108-88-3

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete							
<input type="checkbox"/>							
Delete							
<input type="checkbox"/>							
Delete							
<input type="checkbox"/>							

Common Name or Trade Name: **XYLENE**Hazardous Ingredient: **XYLENE**

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
<input type="checkbox"/> EHS											
<input type="checkbox"/> PSM											
<input checked="" type="checkbox"/> 1-Pure											
<input type="checkbox"/> 2-Mixture											
<input type="checkbox"/> No Longer Reportable											
	2	2	02		00	00	365	D 1 4	3.3		
								N 1 4	6.3	1307	CAS No. if known 1330-20-7

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete							
<input type="checkbox"/>							
Delete							
<input type="checkbox"/>							
Delete							
<input type="checkbox"/>							

2002  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information Survey

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name:

[ ]

Hazardous Ingredient:

[ ]

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: [ ]
<input type="checkbox"/> EHS											CAS No. if known [ ]
<input type="checkbox"/> PSM											
<input type="checkbox"/> 1-Pure 2-Mixture [ ]											
<input type="checkbox"/> No Longer Reportable											

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name:

[ ]

Hazardous Ingredient:

[ ]

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: [ ]
<input type="checkbox"/> EHS											CAS No. if known [ ]
<input type="checkbox"/> PSM											
<input type="checkbox"/> 1-Pure 2-Mixture [ ]											
<input type="checkbox"/> No Longer Reportable											

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name:

[ ]

Hazardous Ingredient:

[ ]

<input type="checkbox"/> 112R	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: [ ]
<input type="checkbox"/> EHS											CAS No. if known [ ]
<input type="checkbox"/> PSM											
<input type="checkbox"/> 1-Pure 2-Mixture [ ]											
<input type="checkbox"/> No Longer Reportable											

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]



## SECTION E

Enter the information in the [bracketed] areas:

Common Name or Trade Name:

[ ]

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name:

[ ]

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name:

[ ]

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name:

[ ]

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name:

[ ]

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

**THIS SURVEY IS**  
**DUE**

**NO LATER THAN**

**November 30, 2002**

**REQUIRED BY BOTH FEDERAL AND STATE LAW**

# WHY THE CHANGES?

The Office of State Fire Marshal's (OSFM) Community Right to Know Unit (CR2K) continually strives to reduce the impact of hazardous substance reporting on facility owners and operators, while still providing the most accurate and useful information possible for emergency planners, emergency responders and the general public. In an effort to further reduce the impact of hazardous substance reporting and increase usability of the information collected, the CR2K unit has made changes on how some items are reported.

## **E-mail Address:**

This year we are putting extra emphasis on reporting the company's e-mail address. Providing the e-mail address for your facility will benefit you and our office in many ways.

## **Benefits**

- We will be able to e-mail timely and useful information such as training opportunities, survey due date reminders, information on new federal and state regulations that may affect your facility, informational literature, technical assistance related to hazardous substances and hazardous substance reporting. This will also minimize costs, associated with sending correspondence to facilities, such as postage, envelopes and paper. In addition, it will cost less to prepare these correspondences for mailing.
- We have been working on a process that will allow facilities to report their hazardous substance information electronically. In order to implement this new process we will need current e-mail addresses for those facilities that wish to participate. This new process will present exciting opportunities for your facility and will benefit us as well. No more shuffling papers! No more paper files! Information will be available for you to electronically update and review your survey at any time, all your information will be right at your fingertips!!! In addition submitting the survey electronically will benefit your facility and our office by reducing the cost and time associated with reporting. Please help us help you by keeping us informed of any changes to your e-mail address.

### **Storage Locations:**

During the past year we have been working on a process that will make it easier for facilities, emergency responders and emergency planners to use the information we collect. This new storage location reporting format will allow the survey information to be arranged in a manner better suited to your needs. Changing the way the storage locations are reported has many advantages for you, emergency responders and emergency planners.

#### **Benefits:**

- Previously, the chemical information has been pre-printed on the survey alphabetically. This did not provide a way for facility operators to review their information according to the individual processes or layout of their facility. By having substances reported in the new format, information can be sorted by building, floor, room etc. By arranging information in this manner, you will be able to more easily conduct a walk through of your facility and inventory your hazardous substances. This will allow you to easily identify what substances have previously been reported for a specific area and help you identify what reporting changes need to be made.
- Being able to sort the hazardous substance information in this manner will enhance the ability of emergency responders to plan for and respond to an incident at your facility. They will be able to better identify what hazardous substances they may encounter, should they need to enter your facility in an emergency situation. Having this information available to emergency responders reduces response time, property damage and other costs associated with a hazardous materials incident or fire.

### **Extremely Hazardous Substance (EHS) Reporting:**

This year you are being asked to report all of the extremely hazardous substances you have that meet the federal threshold planning quantity. This is being done in order to provide better information to the Oregon Local Emergency Planning Committee (LEPC). The LEPC assists Oregon communities in preparing for and responding to a hazardous substance emergency.

#### **Benefits:**

- Providing this additional information to the LEPC will enhance their ability to identify which communities they should be conducting a "Community Response Capability Assessment" in. During this assessment the LEPC will be able to determine whether or not communities have adequate plans in place to quickly respond to and mitigate a hazardous materials incident. If deficiencies exist in a community's ability to respond, the LEPC will provide assistance and resources to help eliminate any problems. LEPC activities can enhance working relationships between industry, local government, and the general public. This in turn can decrease the impacts of a hazardous materials incident in your community and provide a higher degree of public safety.

**THE ITEMS LISTED ON THIS PAGE MUST BE ENTERED  
ON THE SURVEY OR IT WILL BE RETURNED.**

**SECTION A**

☐ YES ☐ NO

1. Were there hazardous substances present at this site in reportable quantities during the survey period?

**SECTION B**

3. BUSINESS ACTIVITY AT THIS SITE
5. MANAGER'S NAME
7. E-MAIL ADDRESS
8. BUSINESS NAME
10. SITE ADDRESS
11. MAILING ADDRESS
12. BUSINESS PHONE
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE
15. EMERGENCY CONTACT PHONE NUMBERS, DAY AND NIGHT PHONE
16. RESPONSIBLE FIRE DEPARTMENT

**SECTION C**

1. PRINT NAME
2. SIGNATURE

**SECTION D** (These must be included if you are reporting substances)

- COMMON NAME/TRADE NAME
- PHYSICAL STATE
- UNIT OF MEASURE
- MAX. AMT CODE
- AMT IN. CODE
- AMT OUT. CODE
- NUMBER OF DAYS ON SITE
- STORAGE CODE
- STORAGE LOCATION(S) AT SITE

**FOR HELP COMPLETING THE SURVEY CALL THE HAZARDOUS SUBSTANCE  
INFORMATION HOTLINE AT 503-378-6835**

DEPARTMENT OF STATE POLICE  
OFFICE OF STATE FIRE MARSHAL

COMPANY NAME Koppers Industries Inc  
DATE 3/4/02 FACILITY I.D. 006202 INITIALS JS  
SUBJECT 201 HAZARDOUS SUBSTANCE INFORMATION SURVEY

*We appreciate your effort, however...*

The enclosed Hazardous Substance Information Survey is being returned because it is missing information.

**PLEASE REPLY PROMPTLY**

**The due date for this information is located in the upper left hand corner of the enclosed survey. Please provide and submit the missing information by that due date. If this due date has passed, provide and submit the information immediately upon receipt of this notice to minimize compliance actions.**

All areas missing information have been highlighted on the survey pages to show you what needs to be completed. Please make sure **ALL** highlighted areas are completed or the survey will again be returned to you.

To identify what information is needed in the highlighted areas, refer to the instruction packet you received with the original survey mailing. The survey tables are provided on the back of this page to assist in the completion of the survey.

**If you need assistance** in completing the survey or have questions, please call the Hazardous Substance Information Hotline at **503-378-6835**.

**IMPORTANT NOTICE:** Failure to return the **COMPLETED** survey by the date indicated above, will result in the issuance of a "Notice of Non-Compliance" and possible penalty assessment.

**INFORMATION MISSING FROM SURVEY ✓**

**Section A**

- |   |   |
|---|---|
| <input type="checkbox"/> Are Hazardous Substances Present | <input type="checkbox"/> Are Extremely Hazardous Substances Present |
| <input type="checkbox"/> Are 112R Substances Present      |   |

**Section B**

- |  |  |
|--|--|
| <input type="checkbox"/> Business Activity | <input type="checkbox"/> Number of Employees                 |
| <input type="checkbox"/> Managers Name     | <input type="checkbox"/> Emergency Assistance Contact Person |
| <input type="checkbox"/> Business Name     | <input type="checkbox"/> Emergency Contact Phone Numbers     |
| <input type="checkbox"/> Site Address      | <input type="checkbox"/> Responding Fire Department          |
| <input type="checkbox"/> Business Phone    | <input type="checkbox"/> Special Fire Department Information |

**Section C**

- ☐ Signature

**Section D**

- |  |  |
|--|--|
| <input type="checkbox"/> Common Name/Trade Name              | <input type="checkbox"/> Amount In                                       |
| <input type="checkbox"/> Ingredient In Highest Concentration | <input type="checkbox"/> Amount Out                                      |
| <input type="checkbox"/> Pure or Mixture                     | <input type="checkbox"/> Number of Days on Site                          |
| <input type="checkbox"/> Physical State                      | <input type="checkbox"/> Storage Codes                                   |
| <input type="checkbox"/> Unit of Measure                     | <input type="checkbox"/> Hazard Classes                                  |
| <input type="checkbox"/> Average Amount                      | <input checked="" type="checkbox"/> Storage Location <i>for Nitrogen</i> |
| <input type="checkbox"/> Maximum Amount                      |  |

Comments \_\_\_\_\_

**For assistance, call the Hazardous Substance Information Hotline at 503-378-6835.**

Koppers012076

## HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

## SECTION D

COMMON NAME/TRADE NAME: TOLUENE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: TOLUENE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	03	03	02	00	365	D 1 4 N 1 4	3.2 6.3	108-88-3
									UN/NA NO. (IF KNOWN) 1294
STORAGE LOCATIONS AT SITE									
IN GLASS BOTTLE IN THE LAB									
									EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: XYLENE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: XYLENE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	03	03	02	00	365	D 1 4 N 1 4	3.3 6.3	1330-20-7
									UN/NA NO. (IF KNOWN) 1501
STORAGE LOCATIONS AT SITE									
IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB									
									EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

Nitrogen

Nitrogen

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
3	2	20	20	30	30	365	A 2 6	2.2 6.3	7727-37-9
									UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE									
North of the service room building and between that building and the pencil pitch storage building.									
									EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
									UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE									
									EPA PESTICIDE REGISTRATION NO.



Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

**Amos S. Kamerer**  
*Plant Manager*

Telephone: 503-286-3681  
Fax: 503-285-2831

February 22, 2002

Oregon Office of State Fire Marshall  
4760 Portland Road, NE  
Salem, Oregon 97301-1760

Subject: Hazardous Substance Information Survey

Dear Sirs,

Attached please find a second updated survey for the accidental exclusion of one of the chemicals used at our facility. I apologize that this is the second update in one week.

If you have any questions, I can be reached at # 503-286-3681 or via e-mail at [kamereras@koppers.com](mailto:kamereras@koppers.com).

Sincerely,

A handwritten signature in black ink, appearing to be "Amos S. Kamerer", written over a horizontal line.

Amos S. Kamerer

CC: T. Self, KII



Due Date: NOVEMBER 30, 2001

2001

UPDATE #2

Facility ID Number:  
006202

## OREGON STATE FIRE MARSHAL

## HAZARDOUS SUBSTANCE INFORMATION SURVEY

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

## SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

- ☒ YES ☐ NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
- ☐ YES ☒ NO 2. Were there Extremely Hazardous Substances (EHS) present at this site that meet the threshold planning quantities during this survey period?
- ☐ YES ☒ NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?

## SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND INTERMEDIATES-MFG

2. SIC CODE 2: DEFINITION:

3. BUSINESS ACTIVITY AT THIS SITE:

COAL TAR PITCH TERMINAL

4. DUN &amp; BRADSTREET #: 02-773-4359

5. MANAGER'S NAME: AMOS S KAMERER

6. SEND TO ATTENTION OF: AMOS S KAMERER

7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM

8. BUSINESS NAME: KOPPERS INDUSTRIES INC

10. SITE ADDRESS:

7540 NW ST HELENS RD

CITY: PORTLAND

COUNTY: MULTNOMAH

STATE: OR

ZIP CODE: 97210-3663

12. BUSINESS PHONE: 503-286-3681

13. NUMBER OF EMPLOYEES AT THIS SITE: 8

14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE:

AMOS S KAMERER

15. EMERGENCY CONTACT PHONES:

DAY 503-286-3681

NIGHT 503-246-8045

16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

Station #22

## SPECIAL FIRE DEPARTMENT INFORMATION

This section is for information the fire service needs to know in case of an emergency.

17. ☒ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Office and Control Room
18. ☐ YES ☒ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT: e.g., sprinklered, haion system, etc.
19. ☒ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☐ YES ☒ NO ARE OTHER TYPES OF PLACARDS USED?

## SECTION C PERSON COMPLETING FORM

This person will be contacted to answer any questions needing clarification

1. PRINT NAME: Amos S. Kamerer

2. SIGNATURE (REQUIRED):

3. DATE: 11/16/01 PHONE NO: 503-286-3681

AMOS S KAMERER  
KOPPERS INDUSTRIES INC7540 NW ST HELENS RD  
PORTLAND OR 97210-3663

UPDATED 2/22/02

## HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

## SECTION D

COMMON NAME/TRADE NAME: TOLUENE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: TOLUENE

EHS <input type="checkbox"/> (12)(f)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
<input checked="" type="checkbox"/> 1. PURE	2	2	03	03	02	00	365	D 1 4	3.2 6.3	108-88-3
<input type="checkbox"/> 2. MIXTURE								N 1 4		
<input type="checkbox"/> 3. NEW			[02]	[02]	[00]					UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 4. NO LONGER REPORTABLE										1294
STORAGE LOCATIONS AT SITE IN GLASS BOTTLE IN THE LAB										
EPA PESTICIDE REGISTRATION NO.										

COMMON NAME/TRADE NAME: XYLENE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: XYLENE

EHS <input type="checkbox"/> (12)(f)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
<input checked="" type="checkbox"/> 1. PURE	2	2	03	03	02	00	365	D 1 4	3.3 6.3	1330-20-7
<input type="checkbox"/> 2. MIXTURE								N 1 4		
<input type="checkbox"/> 3. NEW			[02]	[02]	[00]					UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 4. NO LONGER REPORTABLE										1307
STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB										
EPA PESTICIDE REGISTRATION NO.										

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

[ Nitrogen ]

[ Nitrogen ]

EHS <input type="checkbox"/> (12)(f)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
<input type="checkbox"/> 1. PURE										[ 7727-37-9 ]
<input type="checkbox"/> 2. MIXTURE										
<input checked="" type="checkbox"/> 3. NEW	[ 3 ]	[ 2 ]	[ 20 ]	[ 20 ]	[ 30 ]	[ 30 ]	[ 365 ]	[ A ] [ 2 ] [ 6 ]	[ 2.2 ] [ 6.3 ]	UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 4. NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE										
EPA PESTICIDE REGISTRATION NO.										

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

EHS <input type="checkbox"/> (12)(f)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
<input type="checkbox"/> 1. PURE										
<input type="checkbox"/> 2. MIXTURE										
<input type="checkbox"/> 3. NEW										UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 4. NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE										
EPA PESTICIDE REGISTRATION NO.										



Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

**Amos S. Kamerer**  
Plant Manager

Telephone: 503-286-3681  
Fax: 503-285-2831

February 18, 2002

Oregon Office of State Fire Marshall  
4760 Portland Road, NE  
Salem, Oregon 97301-1760

Subject: Hazardous Substance Information Survey

Dear Sirs,

Attached please find updated survey copies regarding one of the chemicals handled through our facility.

If you have any questions, I can be reached at # 503-286-3681 or via e-mail at [kamereras@koppers.com](mailto:kamereras@koppers.com).

Sincerely,

A handwritten signature in black ink, appearing to be "Amos S. Kamerer", written over the word "Sincerely,". The signature is stylized with a long horizontal stroke extending to the right.

CC: T. Self, KII

Due Date: NOVEMBER 30, 2001

2001

UPDATE 0

Facility ID Number:  
006202

## OREGON STATE FIRE MARSHAL

## HAZARDOUS SUBSTANCE INFORMATION SURVEY

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

## SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

- ☒ YES ☐ NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
- ☒ YES ☒ NO 2. Were there Extremely Hazardous Substances (EHS) present at this site that meet the threshold planning quantities during this survey period?
- ☐ YES ☒ NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?

## SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND INTERMEDIATES-MFG

2. SIC CODE 2: DEFINITION:

3. BUSINESS ACTIVITY AT THIS SITE:  
COAL TAR PITCH TERMINAL

4. DUN &amp; BRADSTREET #: 02-773-4359

5. MANAGER'S NAME: AMOS S KAMERER

6. SEND TO ATTENTION OF: AMOS S KAMERER

7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM

8. BUSINESS NAME: KOPPERS INDUSTRIES INC

10. SITE ADDRESS:

7540 NW ST HELENS RD

CITY: PORTLAND

COUNTY: MULTNOMAH

STATE: OR

ZIP CODE: 97210-3663

12. BUSINESS PHONE: 503-286-3681

13. NUMBER OF EMPLOYEES AT THIS SITE: 8

14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE:

AMOS S KAMERER

15. EMERGENCY CONTACT PHONES:

DAY 503-286-3681

NIGHT 503-246-8045

16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

Station #22

## SPECIAL FIRE DEPARTMENT INFORMATION

This section is for information the fire service needs to know in case of an emergency.

17. ☒ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Office and Control Room
18. ☐ YES ☒ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☒ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☐ YES ☒ NO ARE OTHER TYPES OF PLACARDS USED?

## SECTION C PERSON COMPLETING FORM

This person will be contacted to answer any questions needing clarification

1. PRINT NAME: Amos S. Kamerer

2. SIGNATURE (REQUIRED):

3. DATE: 11/16/01 PHONE NO: 503-286-3681

AMOS S KAMERER  
KOPPERS INDUSTRIES INC7540 NW ST HELENS RD  
PORTLAND OR 97210-3663

updated 2/18/02

## HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

## SECTION D

COMMON NAME/TRADE NAME: ACETONE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: ACETONE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	2	2	01	01	01	00	365	F 1 4	3.2 6.3	67-64-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										1090
IN LAB AT W END OF OFFICE BL										
										EPA PESTICIDE REGISTRATION NO.

DG

COMMON NAME/TRADE NAME: ACETYLENE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: ACETYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	3	3	11	11	20	00	365	L 2 4	2.1 6.3	74-86-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										1001
IN & AROUND THE MAINT SHOP 1 N REAR OF BLDG & IN THE CENTER OF THE PLANT NE XT TO CONTROL ROOM 2 CYLINDERS ON 2 PORTABLE CARTS IN FRONT OF SHOP										
										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: BIG ORANGE SOLVENT

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: D-LIMONENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 - MIXTURE	2	2	04	04	04	00	365	D 1	3.3 6.3	5989-27-5
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										
OIL HOUSE IN MAINT BLDG & IN THE OIL GAS & DIESEL STORAGE SHED NEXT TO TRA CK #5 & BETWEEN THE OFFICE & THE EMPLOYEE SERVICE BLDG										
In a drum at the oil, gas and diesel storage shed, behind the office next to track #5.										
										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: COAL TAR PITCH

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PYRENE

<input checked="" type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	1	1	40	60	60	60	365	R 1 4	4.5 6.4	65996-93-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										3077
PITCH STORAGE BLDGS										
										EPA PESTICIDE REGISTRATION NO.

## HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

## SECTION D

COMMON NAME/TRADE NAME: COAL TAR PITCH

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PYRENE

<input checked="" type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1. PURE 2. MIXTURE [ ]	2	2	43	43	53	53	365	A 1 5	4.5 6.4	65996-93-2
1. NEW 2. NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ 50 ]	[ ]	[ 51 ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	UN/NA NO. (IF KNOWN) 3077
STORAGE LOCATIONS AT SITE IN TANK FARM TANKS #65 #68 & #200										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: DIESEL #2

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1. PURE 2. MIXTURE [ ]	2	2	04	04	20	00	365	E 1 4	3.3	68476-34-6
1. NEW 2. NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	UN/NA NO. (IF KNOWN) 1993
STORAGE LOCATIONS AT SITE IN PLASTIC DRUMS JUST IN FRONT OF MAINT SHOP OUTSIDE & IN THE OIL GAS & DIESEL STORAGE SHED NEXT TO TRACK 5 & BETWEEN THE OFFICE & THE EMPLOYEE										EPA PESTICIDE REGISTRATION NO.
In plastic drums in the oil, gas and diesel storage shed, behind the office next to track #5.										

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1. PURE 2. MIXTURE [ ]	2	2	02	02	10	00	365	N 1 4 F 1 4	3.1 6.4	8006-61-9
1. NEW 2. NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ 04 ]	[ C4 ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	UN/NA NO. (IF KNOWN) 1203
STORAGE LOCATIONS AT SITE IN OIL GAS & DIESEL STORAGE SHED NEXT TO TRACK #5 & BETWEEN OFFICE & EMPLOYEE SEVC BLDG ROOM IN MAINT SHOP IN LOCKERS WITH CLOSED DOORS SE END										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: HEAVY CREOSOTE DISTILLATE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: CREOSOTE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1. PURE 2. MIXTURE [ ]	2	2	21	31	31	31	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
1. NEW 2. NO LONGER REPORTABLE	[ ]	[ ]	[ 20 ]	[ ]	[ 00 ]	[ 30 ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	UN/NA NO. (IF KNOWN) 3082
STORAGE LOCATIONS AT SITE IN THE TANK FARM IN TANKS #1 7 #33 #67 & #102 OR POSSIBLY IN A RAIL CAR ON TRACK #3										EPA PESTICIDE REGISTRATION NO.

**KOPPERS  
INDUSTRIES**

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd.  
Portland, Oregon 97210-3663  
Phone: (503) 286-3681  
Fax: (503) 285-2831  
Web Page: [www.koppers.com](http://www.koppers.com)

TO: T. Self

DATE: 11/16/01

FROM: Amos

TOTAL # OF PAGES: 7

the attached for your files

"Oregon's Tier II forms"

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

Due Date: **NOVEMBER 30, 2001**

2001

Facility ID Number  
006202

## OREGON STATE FIRE MARSHAL

## HAZARDOUS SUBSTANCE INFORMATION SURVEY

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

**SECTION A HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

- ☒ YES ☐ NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
- ☐ YES ☒ NO 2. Were there Extremely Hazardous Substances (EHS) present at this site that meet the threshold planning quantities during this survey period?
- ☐ YES ☒ NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?

**SECTION B DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND INTERMEDIATES-MFG

2. SIC CODE 2: DEFINITION:

3. BUSINESS ACTIVITY AT THIS SITE:  
COAL TAR PITCH TERMINAL

4. DUN &amp; BRADSTREET #: 02-773-4359

5. MANAGER'S NAME: AMOS S KAMERER

6. SEND TO ATTENTION OF: AMOS S KAMERER

7. E-MAIL ADDRESS: KAMERERAS@KOPPERS.COM

8. BUSINESS NAME: KOPPERS INDUSTRIES INC

10. SITE ADDRESS:

7540 NW ST HELENS RD

CITY: PORTLAND

COUNTY: MULTNOMAH

STATE: OR

ZIP CODE: 97210-3663

12. BUSINESS PHONE: 503-286-3681

13. NUMBER OF EMPLOYEES AT THIS SITE: 8

14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE:

AMOS S KAMERER

15. EMERGENCY CONTACT PHONES:

DAY 503-286-3681

NIGHT 503-246-8045

16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

Station #22

**SPECIAL FIRE DEPARTMENT INFORMATION**

This section is for information the fire service needs to know in case of an emergency.

17. ☒ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Office and Control Room
18. ☐ YES ☒ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☒ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☐ YES ☒ NO ARE OTHER TYPES OF PLACARDS USED?

**SECTION C PERSON COMPLETING FORM**

This person will be contacted to answer any questions needing clarification

1. PRINT NAME: Amos S. Kamerer

2. SIGNATURE (REQUIRED):

3. DATE: 11/16/01 PHONE NO: 503-286-3681

AMOS S KAMERER  
KOPPERS INDUSTRIES INC7540 NW ST HELENS RD  
PORTLAND OR 97210-3663



## HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

## SECTION D

COMMON NAME/TRADE NAME: ACETONE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: ACETONE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE [ ]	2	2	01	01	01	00	365	F 1 4	3.2 6.3	67-64-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[00]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	UN/NA NO. (IF KNOWN) 1090
STORAGE LOCATIONS AT SITE IN LAB AT W END OF OFFICE BL										EPA PESTICIDE REGISTRATION NO.

DG

COMMON NAME/TRADE NAME: ACETYLENE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: ACETYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE [ ]	3	3	11	11	20	00	365	L 2 4	2.1 6.3	74-86-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE	[ ]	[ ]	[10]	[10]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	UN/NA NO. (IF KNOWN) 1001
STORAGE LOCATIONS AT SITE IN & AROUND THE MAINT SHOP 1 N REAR OF BLDG & IN THE CENTER OF THE PLANT NE XT TO CONTROL ROOM 2 CYLINDERS ON 2 PORTABLE CARTS IN FRONT OF SHOP										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: BIG ORANGE SOLVENT  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: D-LIMONENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 - MIXTURE [ ]	2	2	04	04	04	00	365	D 1	3.3 6.3	5989-27-5
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE	[ ]	[ ]	[03]	[03]	[00]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE OIL HOUSE IN MAINT BLDG & IN THE OIL GAS & DIESEL STORAGE SHED NEXT TO TRA CK #5 & BETWEEN THE OFFICE & THE EMPLOYEE SERVICE BLDG [ In a drum at the oil, gas and diesel storage shed, behind the office next to track #5.										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: COAL TAR PITCH  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PYRENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE [ ]	1	1	40	60	60	60	365	R 1 4	4.5 6.4	65996-93-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE	[ ]	[ ]	[43]	[53]	[53]	[42]	[ ]	[ ] [ ] [ ]	[ ] [ ]	UN/NA NO. (IF KNOWN) 3077
STORAGE LOCATIONS AT SITE PITCH STORAGE BLDGS										EPA PESTICIDE REGISTRATION NO.

FORM  
CHEMICAL

2001 OREGON STATE FIRE MARSHAL

Facility ID Number:

HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

SECTION D

COMMON NAME/TRADE NAME: COAL TAR PITCH

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PYRENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	2	2	43	43	53	53	365	A 1 5	4.5 6.4	65996-93-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE				50		51				UN/NA NO. (IF KNOWN) 3077
STORAGE LOCATIONS AT SITE IN TANK FARM TANKS #65 #68 & #200										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: DIESEL #2

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	2	2	04	04	20	00	365	E 1 4	3.3	68476-34-6
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 1993
STORAGE LOCATIONS AT SITE IN PLASTIC DRUMS JUST IN FRONT OF MAINT SHOP OUTSIDE & IN THE OIL GAS & DIESEL STORAGE SHED NEXT TO TRACK 5 & BETWEEN THE OFFICE & THE EMPLOYEE										EPA PESTICIDE REGISTRATION NO.
In plastic drums in the oil, gas and diesel storage shed, behind the office next to track #5.										

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	2	2	02	02	10	00	365	N 1 4 F 1 4	3.1 6.4	8006-61-9
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE					04	04				UN/NA NO. (IF KNOWN) 1203
STORAGE LOCATIONS AT SITE IN OIL GAS & DIESEL STORAGE SHED NEXT TO TRACK #5 & BETWEEN OFFICE & EMPLOYEE SEVC BLDG ROOM IN MAINT SHOP IN LOCKERS WITH CLOSED DOORS SE END										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: HEAVY CREOSOTE DISTILLATE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: CREOSOTE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	2	2	21	31	31	31	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE			20		00	30				UN/NA NO. (IF KNOWN) 3082
STORAGE LOCATIONS AT SITE IN THE TANK FARM IN TANKS #1 7 #33 #67 & #102 OR POSSIBLY IN A RAIL CAR ON TRACK #3										EPA PESTICIDE REGISTRATION NO.

Koppers012088

## HAZARDOUS SUBSTANCE INFORMATION SURVEY

006202

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

## SECTION D

COMMON NAME/TRADE NAME: MOTOR OIL

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBONS

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input checked="" type="checkbox"/> 2 - MIXTURE	2	2	04	04	04	00	365	0 1 4	4.5 6.4	64742-54-7
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 1270
STORAGE LOCATIONS AT SITE IN OIL STORAGE ROOM IN MAINT SHOP S END OF BLDG IN OIL GAS & DIESEL STORAGE SHED NEXT TO TRACK #5 & BETWEEN THE OFFICE & THE EMPLOYEE SERVICE										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: OXYGEN

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: OXYGEN

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input checked="" type="checkbox"/> 2 - MIXTURE	3	3	11	11	20	00	365	L 2 4	2.2 5.1	7782-44-7
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 1072
STORAGE LOCATIONS AT SITE 6 CYLINDERS ON 3 CARTS IN REAR OF MAINT SHOP IN & AROUND THE MAINT SHOP IN THE CENTER OF THE PLANT NEXT TO THE CONTROL ROOM										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: PERCHLOROETHYLENE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input checked="" type="checkbox"/> 2 - MIXTURE	2	2	01	01	02	00	365	0 1 4	9.0	127-18-4
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE					00					UN/NA NO. (IF KNOWN) 1897
STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END OF LAB & IN GLASS BOTTLES IN THE LAB										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CALORIA HT

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input checked="" type="checkbox"/> 2 - MIXTURE	2	2	20	20	10	00	365	A 1 5	4.5	
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE			21	21	21					UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN ABOVEGROUND EXPANSION TANK NEXT TO TANK #65 IN THE OIL GAS & DIESEL STORAGE SHED NEXT TO TRACK #5 & BETWEEN THE OFFICE & THE EMPLOYEE SERVICE										EPA PESTICIDE REGISTRATION NO.

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

## SECTION D

COMMON NAME/TRADE NAME: PROPANE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PROPANE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input checked="" type="checkbox"/> 2 - MIXTURE	3	2	04	04	20	00	365	L 2 6	2.1 6.3	74-98-6
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 1075

STORAGE LOCATIONS AT SITE OUTSIDE IN REAR OF MAINT BLDG IN FORK LIFTS IN SAME AREA &amp; IN CANISTERS AT TRACK #5 LOADING STATION &amp; STORAGE CANISTERS AT BACK OF CONTROL ROOM

COMMON NAME/TRADE NAME: QUINOLINE REFINED  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: QUINOLINE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input checked="" type="checkbox"/> 2 - MIXTURE	2	2	02	02	03	00	365	F 1 4	8.0	91-22-5
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE					02	00				UN/NA NO. (IF KNOWN) 1760

STORAGE LOCATIONS AT SITE IN REAR OF LAB IN SAMPLE ROO

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input checked="" type="checkbox"/> 2 - MIXTURE	1	1	11	11	20	00	365	1 1 4	8.0 6.3	1310-73-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 1823

STORAGE LOCATIONS AT SITE IN BOILER ROOM E END IN THE BOILER HOUSE BLDG

COMMON NAME/TRADE NAME: SODIUM SULFITE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: SODIUM SULFITE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input checked="" type="checkbox"/> 2 - MIXTURE	1	1	11	11	20	00	365	1 1 4	6.3	7757-83-7
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE IN BOILER ROOM E END IN THE BOILER HOUSE BLDG

CROSS OFF THE OLD OR INCORRECT INFORMATION AND TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS

## SECTION D

COMMON NAME/TRADE NAME: TOLUENE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: TOLUENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	2	2	03	03	02	00	365	D 1 4 N 1 4	3.2 6.3	108-88-3
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE			[02]	[02]	[00]					UN/NA NO. (IF KNOWN) 1294
STORAGE LOCATIONS AT SITE IN GLASS BOTTLE IN THE LAB										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: XYLENE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: XYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	2	2	03	03	02	00	365	D 1 4 N 1 4	3.3 6.3	1330-20-7
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE			[02]	[02]	[00]					UN/NA NO. (IF KNOWN) 1307
STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										EPA PESTICIDE REGISTRATION NO.

Within 15 days of any of the following events, any covered employer shall complete and return the attached Hazardous Substance Employer Survey Change Form and return it to the Oregon State Fire Marshal's Office, Hazardous Materials Section (378-2885):

1. Change of business address
2. Change of business ownership
3. Change of business name
4. Cessation of business operations
5. Any addition, deletion or change to existing SIC codes for the business
6. A significant quantity change (one or more quantity range steps) has occurred for a previously reported material
7. A new hazardous material is introduced at your business location

FROM:

Koppers Co Inc

7540 N.W ST Helens Rd

Portland or. 97229

PLACE

STAMP

HERE

STATE FIRE MARSHAL'S OFFICE  
3000 MARKET ST., NE, SUITE 534  
SALEM, OR 97310-0198

ATTN: HAZARDOUS MATERIALS SECTION

*Sent to Jordan  
Dean for Review  
10-16-87*

Koppers012092

OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE  
EMPLOYER SURVEY

OCCUPANCY CODE: \_\_\_\_\_  
(office use only)

STATUS CODE: \_\_\_\_\_  
(office use only)

**SECTION A** (check one)

1. \_\_\_\_\_ No chemicals are used at this location in any way. (Complete Section B)
2. \_\_\_\_\_ Chemicals are used at this location by our company, but do not meet reporting requirements. (Complete Section B) (See General Information for reporting requirements)
3. ☒ Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)

**SECTION B** (please provide the following information)

1. SIC CODE(S) that apply to location (if known): 2865
2. DATE FORM COMPLETED: 10/14/87 Dun & Bradstreet Number 02 - 773 - 4359
3. EMPLOYER NAME: Koppers Co Inc.
4. COMPANY NAME: Koppers Co Inc.
5. LOCATION ADDRESS: 7540 N.W. St Helens Rd  
CITY: Portland STATE: Or COUNTY: Multnomah ZIP: 97210  
BUSINESS PHONE: 503 286 3681
6. MAILING ADDRESS: (if different) Same  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ COUNTY: \_\_\_\_\_ ZIP: \_\_\_\_\_
7. NUMBER OF EMPLOYEES: \_\_\_\_\_
8. EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A OXFORD  
CONTACT PHONE(S): (503) 286 3681 DAY (206) 254-8011 NIGHT
9. RESPONSIBLE FIRE DEPARTMENT: Portland
10. SPECIAL EMERGENCY PROCEDURES  
(See instructions) (Use additional pages as necessary)

11. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704) ? no

DUPLICATE THIS FORM FOR EACH LOCATION

814-440-185 (R7-87)

TO RETURN THIS SURVEY

1. REMOVE THIS STRIP AT PERFORATION
2. FOLD IN HALF AT INDICATED MARKS
3. REMOVE TAPE STRIP, FOLD AND SEAL

Koppers012093

THIS FORM MUST BE COMPLETED AND RETURNED

006034

6202



**SECTION C** (Please provide the following information) Duplicate this form as necessary for a complete report

CHEMICAL/TRADE NAME: GASOLINE

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 2. Liquid 3. Gas	1. Pounds 2. Gallons 3. Cubic Ft.	3	4	A D	8006-61-9 UN/NA No. 1203	3.1

Storage location (be specific): Tank is east of warehouse about 200 feet. Drums are in warehouse south end against wall.

CHEMICAL/TRADE NAME: Creosote

1.

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 2. Liquid 3. Gas	1. Pounds 2. Gallons 3. Cubic Ft.	5	6	A D Q	8001-58-9 UN/NA No. 9188	4.2

Storage location (be specific): Tank Farm, Laboratory in warehouse Rear sample room, in warehouse in front just inside door

CHEMICAL/TRADE NAME: Coal Tar Pitch

2.

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 2. Liquid 3. Gas	1. Pounds 2. Gallons 3. Cubic Ft.	6	6	R	65996-93-2 UN/NA No. NA	N/A

Storage location (be specific): Pitch Storage Building

CHEMICAL/TRADE NAME: Sodium Sulfite Refined Tar

3.

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 2. Liquid 3. Gas	1. Pounds 2. Gallons 3. Cubic Ft.	4	4	A D Q	65996-92-1 BLEND 65996-93-2 UN/NA No. N/A	4.2

Storage location (be specific): Rail Track # 5 By Pitch Storage Building, #17th in tank farm, in warehouse in front just inside door

CHEMICAL/TRADE NAME: Sodium Sulfite

4.

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 2. Liquid 3. Gas	1. Pounds 2. Gallons 3. Cubic Ft.	5	6	J	7757-83-7 UN/NA No. N/A	N/A

Storage location (be specific): In warehouse in rear and middle areas.

**SECTION C** (Continued)

CHEMICAL/TRADE NAME:

5.

Physical State	Unit of Measure	Avg Qty Code	Maximum Qty Code	Storage Codes	CAS No.	Hazard Classes



**SECTION C:** (Please provide the following information) Duplicate this form as necessary for a complete report

CHEMICAL/TRADE NAME: GASOLINE

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid ② Liquid 3. Gas	1. Pounds ② Gallons 3. Cubic Ft.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	8006-61-9 UN/NA No. 1203	3.1 <input type="checkbox"/>

Storage location (be specific): Tank is east of warehouse about 200 feet. Drums are in warehouse south end against wall. In warehouse in 3 5gal Plastic approved safety cans.

CHEMICAL/TRADE NAME: Sodium Bisulfite

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
① Solid 2. Liquid 3. Gas	1. Pounds ② Gallons 3. Cubic Ft.	<input type="checkbox"/> 4 <input type="checkbox"/>	<input type="checkbox"/> 4 <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	7631-90-5 UN/NA No. 2693	5.1 <input checked="" type="checkbox"/> <input type="checkbox"/>

Storage location (be specific): In warehouse, in corner along South & North walls

CHEMICAL/TRADE NAME: #2 Diesel Fuel

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid ② Liquid 3. Gas	1. Pounds ② Gallons 3. Cubic Ft.	<input type="checkbox"/> 1 <input type="checkbox"/>	<input type="checkbox"/> 2 <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> UN/NA No. <input type="checkbox"/>	4.2 <input type="checkbox"/> <input type="checkbox"/>

Storage location (be specific): In Steel Drums just in front of warehouse outside

CHEMICAL/TRADE NAME: Helium

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 2. Liquid ③ Gas	1. Pounds 2. Gallons ③ Cubic Ft.	<input type="checkbox"/> 2 <input type="checkbox"/>	<input type="checkbox"/> 2 <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> UN/NA No. 1046	2.2 <input type="checkbox"/> <input type="checkbox"/>

Storage location (be specific): Cylinder mounted on South side of Laboratory Bldg outside

CHEMICAL/TRADE NAME: Hydrogen

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 2. Liquid ③ Gas	1. Pounds 2. Gallons ③ Cubic Ft.	<input type="checkbox"/> 2 <input type="checkbox"/>	<input type="checkbox"/> 2 <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> UN/NA No. UN1049	<input type="checkbox"/> <input type="checkbox"/>

Storage location (be specific): Cylinder mounted on South side of Laboratory Bldg outside

**SECTION C:** (Continued)

CHEMICAL/TRADE NAME: Com Air UN1002

Physical State	Unit of Measure	Avg Qty Code	Maximum Qty Code	Storage Codes	CAS No.	Hazard Classes
1. Solid 2. Liquid ③ Gas	1. Pounds 2. Gallons ③ Cubic Ft.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

**SECTION C**

(Please provide the following information) Duplicate this form as necessary for a complete report

CHEMICAL/TRADE NAME: GASOLINE

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid	1. Pounds	3	4	A D	8006-61-9	3.1
2. Liquid	2. Gallons				UN/NA No.	
3. Gas	3. Cubic Ft.				1203	

Storage location (be specific): Tank is east of warehouse about 200 feet. Drums are in warehouse south end against wall.

CHEMICAL/TRADE NAME: ~~STYRENE~~ OXYGEN

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid	1. Pounds	2	2	L	7782-44-7	5.1
2. Liquid	2. Gallons				UN/NA No.	
3. Gas	3. Cubic Ft.				1072	

Storage location (be specific): In maintenance shop in rear of bldg. 1 cylinder on portable cart in front of shop, inside.

CHEMICAL/TRADE NAME: PROPANE

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid	1. Pounds	2	2	L	7498-6	2.1
2. Liquid	2. Gallons				UN/NA No.	
3. Gas	3. Cubic Ft.				1075	

Storage location (be specific): 1 cylinder on each of 2 forklifts, Balance of 7 cylinders kept in storage room under old for still

CHEMICAL/TRADE NAME:

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid	1. Pounds					
2. Liquid	2. Gallons				UN/NA No.	
3. Gas	3. Cubic Ft.					

Storage location (be specific):

CHEMICAL/TRADE NAME:

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid	1. Pounds					
2. Liquid	2. Gallons				UN/NA No.	
3. Gas	3. Cubic Ft.					

Storage location (be specific):

**SECTION C**

(Continued)

CHEMICAL/TRADE NAME:

Physical State	Unit of Measure	Avg Qty Code	Maximum Qty Code	Storage Codes	CAS No.	Hazard Classes
1. Solid	1. Pounds					
2. Liquid	2. Gallons					
3. Gas	3. Cubic Ft.					

Koppers012096

**SECTION C**

(Please provide the following information) Duplicate this form as necessary for a complete report

CHEMICAL/TRADE NAME: GASOLINE

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid ② Liquid 3. Gas	1. Pounds ② Gallons 3. Cubic Ft.	3	4	A D	8006-61-9 UN/NA No. 1203	3.1

Storage location (be specific): Tank is east of warehouse about 200 feet. Drums are in warehouse south end against wall.

CHEMICAL/TRADE NAME:

Compressed Air

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 2. Liquid 3. Gas	1. Pounds 2. Gallons ③ Cubic Ft.	2	2	L	UN/NA No. 1002	2.2

Storage location (be specific): cylinder mounted on South side of Laboratory Bldg outside

CHEMICAL/TRADE NAME:

Acetylene Gas

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid 2. Liquid ③ Gas	1. Pounds 2. Gallons ③ Cubic Ft.	2	2		74-86-2 UN/NA No. 1001	

Storage location (be specific): In Maintenance Shop at Front of building

CHEMICAL/TRADE NAME:

Xylene

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid ② Liquid 3. Gas	1. Pounds ② Gallons 3. Cubic Ft.	1	1	D G	UN/NA No. 1307	3.3

Storage location (be specific): In Laboratory (Carboys) Outside Laboratory at rear 1 Drum

CHEMICAL/TRADE NAME:

Perchloroethylene

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid ② Liquid 3. Gas	1. Pounds ② Gallons 3. Cubic Ft.	1	1	D	UN/NA No.	2 4.2

Storage location (be specific): Outside Laboratory, at rear, 1 Drum

**SECTION C**

(Continued)

CHEMICAL/TRADE NAME:

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
----------------	-----------------	----------------------------	--------------------------------	------------------------------	--------------------	--------------------------------

Koppers012097

## 3. CHEMICAL/TRADE NAME:

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid	1. Pounds	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/>
2. Liquid	2. Gallons				UN/NA No.	
3. Gas	3. Cubic Ft.					

Storage location (be specific): \_\_\_\_\_

**SECTION D** (Certification)

I certify that the information provided in this form is complete and correct to the best of my knowledge.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

## TABLES TO BE USED FOR FORM COMPLETION

TABLE I - Reporting Ranges		TABLE II - Storage Codes	
Code	Quantity	Code	Type of Storage
1	0 - 99	A	Aboveground tank
2	100 - 999	B	Underground tank
3	1000 - 9999	C	Tank inside building
4	10,000 - 99,999	D	Steel drum
5	100,000 - 999,999	E	Plastic or non-metallic drum
6	Higher than 1 million	F	Can
		G	Carboy
		H	Silo
		I	Fiber drum
		J	Bag
		K	Box
		L	Cylinder
		M	Glass bottles or jugs
		N	Plastic bottles or jugs
		O	Totebin
		P	Tank wagon
		Q	Railcar
		R	Other

TABLE III - Chemical Hazard Classifications

(1.1) Class A Explosives	(2.2) Nonflammable Gases	(4.2) Combustible Materials	(6.2) Etiologic Materials
(1.2) Class B Explosives	(2.3) Poison Gases	(4.3) Dangerous When Wet	(6.3) Acute Health Hazard
(1.3) Class C Explosives	(3.1) Flammable liq. (FP < 0°F)	(4.4) Reactive material	(6.4) Chronic Health Hazard
(1.4) Blasting Agents	(3.2) Flammable liq. (0°F < FP < 73°F)	(5.1) Oxidizers	(7.3) Radioactive Materials
(1.5) Insensitive Explosives	(3.3) Flamm. Liq. (73° < FP < 141°F)	(5.2) Organic Peroxides	(8.0) Corrosives
(2.1) Flammable Gases	(4.1) Flammable Solids	(6.1) Poisonous Materials	(9.0) Misc. Haz. Materials

OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE  
EMPLOYER SURVEY

OCCUPANCY CODE: \_\_\_\_\_  
(office use only)

STATUS CODE: \_\_\_\_\_  
(office use only)

**SECTION A** (check one)

1. \_\_\_\_\_ No chemicals are used at this location in any way. (Complete Section B)
2. \_\_\_\_\_ Chemicals are used at this location by our company, but do not meet reporting requirements. (Complete Section B) (See General Information for reporting requirements)
3. X \_\_\_\_\_ Chemicals are used at this location by our business in reportable quantities. (Complete all parts of this form)

**SECTION B** (please provide the following information)

1. SIC CODE(S) that apply to location (if known): 2865
2. DATE FORM COMPLETED: 10 / 14 / 87 Dun & Bradstreet Number 02 - 773 - 4359
3. EMPLOYER NAME: JOHN OXFORD
4. COMPANY NAME: KOPPERS COMPANY INC.

Fold

Fold

5. LOCATION ADDRESS: 7540 N.W. ST. HELENS RD  
CITY: PORTLAND STATE: OR COUNTY: MULLINOMAH ZIP: 97210  
BUSINESS PHONE: 503-286-3681

6. MAILING ADDRESS: (if different) SAME  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ COUNTY: \_\_\_\_\_ ZIP: \_\_\_\_\_

7. NUMBER OF EMPLOYEES: 9

8. EMERGENCY ASSISTANCE CONTACT (NAME): JOHN A OXFORD

CONTACT PHONE(S): (503) 286-3681 DAY (206) 254-8011 NIGHT

9. RESPONSIBLE FIRE DEPARTMENT: PORTLAND

10. SPECIAL EMERGENCY PROCEDURES  
(See instructions) (Use additional pages as necessary)

11. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704) ? NO

DUPLICATE THIS FORM FOR EACH LOCATION

814-440-185 (R7-87)

TO RETURN THIS SURVEY

1. REMOVE THIS STRIP AT PERFORATION
2. FOLD IN HALF AT INDICATED MARKS
3. REMOVE TAPE STRIP, FOLD AND SEAL

Koppers012099

THIS FORM MUST BE COMPLETED AND RETURNED

006034

6202

**SECTION C**

(Please provide the following information) Duplicate this form as necessary for a complete report

CHEMICAL/TRADE NAME: GASOLINE

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid ② Liquid 3. Gas	1. Pounds ② Gallons 3. Cubic Ft.	3	4	A D	8006-61-9 UN/NA No. 1203	3.1

Storage location (be specific): Tank is east of warehouse about 200 feet. Drums are in warehouse south end against wall.1. CHEMICAL/TRADE NAME: CREOSOTE

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid ② Liquid 3. Gas	1. Pounds ② Gallons 3. Cubic Ft.	5	6	A D Q	8001589 UN/NA No. 9188	4.2

Storage location (be specific): TANK FARM, LABORATORY IN REAR SAMPLE ROOM, IN WAREHOUSE IN FRONT JUST INSIDE DOOR2. CHEMICAL/TRADE NAME: COAL TAR PITCH

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
① Solid 2. Liquid 3. Gas	① Pounds 2. Gallons 3. Cubic Ft.	6	6	R	65996-932 UN/NA No. NA	N/A

Storage location (be specific): PITCH STORAGE BUILDING3. CHEMICAL/TRADE NAME: REFINED TAR

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid ② Liquid 3. Gas	1. Pounds ② Gallons 3. Cubic Ft.	4	4	A D Q	65996-932-1 65996-93-2B and UN/NA No. NA	4.2

Storage location (be specific): RAIL TRACK #5 BY PITCH STORAGE BUILDING, #17 th IN TANK FARM, IN WAREHOUSE, IN FROM JUST INSIDE DOOR4. CHEMICAL/TRADE NAME: SODIUM SULFITE

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
① Solid 2. Liquid 3. Gas	① Pounds 2. Gallons 3. Cubic Ft.	5	6	J	7757-83-7 UN/NA No. N/A	4.2

Storage location (be specific): IN WAREHOUSE IN REAR AND MIDDLE AREAS

**SECTION C** (Continued)7. CHEMICAL/TRADE NAME: SODIUM BISULFITE

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
① Solid	① Pounds	4	4	J	7631-90-5	5.1
2. Liquid	2. Gallons				UN/NA No.	
3. Gas	3. Cubic Ft.				2693	

Storage location (be specific): IN WAREHOUSE ALONG SOUTH & NORTH WALLS6. CHEMICAL/TRADE NAME: #2 DIESEL FUEL

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid	1. Pounds	1	2	D		4.2
② Liquid	② Gallons				UN/NA No.	
3. Gas	3. Cubic Ft.					

Storage location (be specific): IN STEEL DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE7. CHEMICAL/TRADE NAME: HELIUM

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid	1. Pounds	2	2	L		2.2
2. Liquid	2. Gallons				UN/NA No.	
③ Gas	③ Cubic Ft.				1046	

Storage location (be specific): CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE

Fold

Fold

8. CHEMICAL/TRADE NAME: HYDROGEN

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid	1. Pounds	2	2	L		
2. Liquid	2. Gallons				UN/NA No.	
③ Gas	③ Cubic Ft.				UN/1049	

Storage location (be specific): CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE9. CHEMICAL/TRADE NAME: OXYGEN

Physical State	Unit of Measure	Avg Qty Code (use Table I)	Maximum Qty Code (use Table I)	Storage Codes (use Table II)	CAS No. (if known)	Hazard Classes (use Table III)
1. Solid	1. Pounds	2	2	L	7782-44-7	5.1
2. Liquid	2. Gallons				UN/NA No.	
③ Gas	③ Cubic Ft.				1072	

Storage location (be specific): IN MAINTENANCE SHOP IN REAR OF BUILDING 1 CYLINDER ON PORTABLE CART IN FROM OF SHOP INSIDE**SECTION D** (Certification)

I certify that the information provided in this form is complete and correct to the best of my knowledge.

Signature: John A Oxford  
 Name: JOHN A OXFORD  
 Title: Plant Mgr.

EXPOSE GUM  
OVER THIS STRIP  
APPLY TO CLEAN  
DRY SURFACE.  
REMOVE THIS STRIP

EXPOSE GUM  
TO EXPOSE GUM  
APPLY TO CLEAN  
DRY SURFACE  
REMOVE THIS STRIP

APPLY TO CLEAN  
DRY SURFACE.  
TO EXPOSE GUM  
REMOVE THIS STRIP  
APPLY TO CLEAN

EXPOSE GUM  
TO EXPOSE GUM  
APPLY TO CLEAN  
DRY SURFACE  
REMOVE THIS STRIP

EXPOSE GUM  
TO EXPOSE GUM  
APPLY TO CLEAN  
DRY SURFACE  
REMOVE THIS STRIP

EXPOSE GUM  
TO EXPOSE GUM  
APPLY TO CLEAN  
DRY SURFACE  
REMOVE THIS STRIP

EXPOSE GUM  
TO EXPOSE GUM  
APPLY TO CLEAN  
DRY SURFACE  
REMOVE THIS STRIP

**OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE  
EMPLOYER SURVEY**

OCCUPANCY CODE \_\_\_\_\_  
(office use only)

STATUS CODE \_\_\_\_\_  
(office use only)

ACCOUNT NUMBER 006202

**TO MAKE CORRECTIONS: DRAW A LINE THROUGH DATA AND INDICATE CHANGE.**

**SECTION A**

**GENERAL INFORMATION** (Check the boxes as appropriate. In some cases both 2 and 3 would be checked.)

1. \_\_\_\_\_ No hazardous materials are used at this site in any way. (Complete Section B)
2. \_\_\_\_\_ Hazardous materials are used at this site by our company, but do not meet reporting requirements. (Complete Section B)(See Questions and Answers for reporting requirements)
3. ☒ Hazardous materials are used at this site by our business in reportable quantities. (Complete all parts of this form)

**SECTION B**

**DEMOGRAPHIC DATA** (Please provide the following information)

1. SIC CODE(S) that apply to site (if known): SIC 1 2865 SIC 2 0000
2. DATE FORM COMPLETED: 2 / 17 / 89 DUNN & BRADSTREET 02-773-4359
3. EMPLOYER NAME: JOHN OXFORD
4. COMPANY NAME: KOPPERS COMPANT, INC.
5. DEPT./DIV.:
6. SITE ADDRESS: 7540 NW ST HELENS RD  
CITY: PORTLAND STATE: OR COUNTY: MULTNOMAH ZIP: 97210  
BUSINESS PHONE: ( 503 ) 286-3681
7. MAILING ADDRESS:(if different) 7540 NW ST HELENS RD  
CITY: PORTLAND STATE: COUNTY: MULTNOMAH ZIP: 97210
8. NUMBER OF EMPLOYEES AT THIS SITE: 9
9. EMERGENCY ASSISTANCE CONTACT FOR THIS SITE(NAME): JOHN OXFORD  
CONTACT PHONE(S): ( 503 ) 286-3681 DAY (-503-) 254-8011 NIGHT  
206
10. RESPONSIBLE FIRE DEPARTMENT:
11. SPECIAL EMERGENCY PROCEDURES  
(See instructions)(Use additional pages as necessary)  
NONE
12. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED (NFPA 704)? NO

**SECTION C**

SIGNATURE John A Oxford

☐ CORRECT  
AS SHOWN

☒ CORRECTIONS  
MADE

The name and signature of the person responsible for the completion of the form. This person will be contacted to answer any questions needing clarification.

DUPLICATE THIS FORM FOR EACH SITE



## CHEMICAL NAME/TRADE NAME: COAL TAR PITCH

CORRECT  
AS SHOWN ☐

CORRECTIONS  
AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
1 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 1 POUNDS 2 GALLONS 3 CUBIC FT.	USE TABLE I 5	USE TABLE I 5	USE TABLE I 3	3 DIGIT NO. 000 3 6 5	R 1 1	3.2 0.	0000000000 65996-932 UN/NA NO. 0000

STORAGE LOCATION (BE SPECIFIC) PITCH STORAGE BLDG

## CHEMICAL NAME/TRADE NAME: CREOSOTE

CORRECT  
AS SHOWN ☐

CORRECTIONS  
AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	USE TABLE I 4	USE TABLE I 5	USE TABLE I 5	3 DIGIT NO. 000 3 6 5	A 2 5 D	4.2 0.	0008001589 UN/NA NO. 1993 9188

STORAGE LOCATION (BE SPECIFIC) TANK FARM, LABORATORY IN REAR SAMPLE ROOM, IN WAREHOUSE IN FRONT JUST INSIDE DOOR

## CHEMICAL NAME/TRADE NAME: DIESEL #2

CORRECT  
AS SHOWN ☐

CORRECTIONS  
AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	USE TABLE I 0	USE TABLE I 1	USE TABLE I 1	3 DIGIT NO. 000 3 6 5	D 1 1	3.3 0.	0000000000 UN/NA NO. 1993

STORAGE LOCATION (BE SPECIFIC) IN STEEL DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE

## CHEMICAL NAME/TRADE NAME: HELIUM

CORRECT  
AS SHOWN ☐

CORRECTIONS  
AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
3 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	3 1 POUNDS 2 GALLONS 3 CUBIC FT.	USE TABLE I 1	USE TABLE I 1	USE TABLE I 1	3 DIGIT NO. 000 3 6 5	L 2 4	2.2 0.	0007440597 UN/NA NO. 1046

STORAGE LOCATION (BE SPECIFIC) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE

## CHEMICAL NAME/TRADE NAME: HYDROGEN

CORRECT  
AS SHOWN ☐

CORRECTIONS  
AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
3 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	3 1 POUNDS 2 GALLONS 3 CUBIC FT.	USE TABLE I 1	USE TABLE I 1	USE TABLE I 1	3 DIGIT NO. 000 3 6 5	L 2 4	2.1 0.	0001333740 UN/NA NO. 1049

STORAGE LOCATION (BE SPECIFIC) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE

## CHEMICAL NAME/TRADE NAME: OXYGEN

CORRECT  
AS SHOWN ☐

CORRECTIONS  
AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
3 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	3 1 POUNDS 2 GALLONS 3 CUBIC FT.	USE TABLE I 1	USE TABLE I 1	USE TABLE I 1	3 DIGIT NO. 000 3 6 5	L 2 4	5.1 2.2	0007782447 UN/NA NO. 1072

STORAGE LOCATION (BE SPECIFIC) IN MAINT SHOP IN REAR OF BLDG 1 CYLINDER ON PORTABLE CART IN FROM OF SHOP INSIDE

KOPPERS COMPANT, INC.  
7540 NW ST HELENS RD  
PORTLAND, OR 97210  
MULTNOMAH

## CHEMICAL NAME/TRADE NAME: SODIUM BISULFITE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☐

DELETE ☒

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
1 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 1 POUNDS 2 GALLONS 3 CUBIC FT.	USE TABLE I 3	USE TABLE I 3	USE TABLE I	3 DIGIT NO. 000	J	9.0 0.	0007631905
								UN/NA NO. 2693

STORAGE LOCATION (BE SPECIFIC) IN WAREHOUSE ALONG SOUTH AND NORTH WALLS

## CHEMICAL NAME/TRADE NAME: SODIUM SULFITE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☐

DELETE ☒

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
1 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 1 POUNDS 2 GALLONS 3 CUBIC FT.	4 1	5 1	2	000 3 6 5	J- I 1 1	9.0 0.	0007757837
								UN/NA NO. 0000

STORAGE LOCATION (BE SPECIFIC) IN WAREHOUSE - IN REAR AND MIDDLE AREAS - IN BOILER ROOM EAST END

## CHEMICAL NAME/TRADE NAME: TAR REFINED

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☐

DELETE ☒

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	3	3	3	000 3 6 5	A 2 2 D 1 1	4.2 0.	0065996932
								UN/NA NO. 0000

STORAGE LOCATION (BE SPECIFIC) RAIL TRACK #5 BY PITCH STORAGE BLDD, #17TH IN TANK FARM, IN WAREHOUSE, IN FROM JUST INSIDE DOOR FRONT

## CHEMICAL NAME/TRADE NAME: REFINED QUINOLINE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	00	3 6 5	F 1 4	8.0	91-22-5
								UN/NA NO. 1760

STORAGE LOCATION (BE SPECIFIC) IN WAREHOUSE JUST INSIDE OF MAIN DOOR ON NORTHEAST SIDE OF BUILDING. ALSO IN LABRATORY NO MORE THAN 5 GALLONS PRESENT

## CHEMICAL NAME/TRADE NAME: XYLENE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	00	3 6 5	D 1 4	3.3	1307
								UN/NA NO. 1307

STORAGE LOCATION (BE SPECIFIC) IN A METAL DRUM OUTSIDE WEST END OF LABROTORY. ALSO IN CARBOY INSIDE LABROTORY

## CHEMICAL NAME/TRADE NAME: PERCHLOROETHYLENE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	00	3 6 5	D 1 4	9.0	127-18-4
								UN/NA NO. 127-18-4

STORAGE LOCATION (BE SPECIFIC) IN METAL DRUM OUTSIDE WEST END OF LABROTORY

KOPPERS COMPANT, INC.  
7540 NW ST HELENS RD  
PORTLAND, OR 97210  
MULTNOMAH

CHEMICAL NAME/TRADE NAME: ACETONE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2	2	USE TABLE I	USE TABLE I	USE TABLE I	3 DIGIT NO.		USE TABLE IV	
1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	00	3 6 5	F 1 4	3.1	67-64-1 UN/NA NO.

STORAGE LOCATION (BE SPECIFIC) IN LABORATORY AT WEST END OF BUILDING

CHEMICAL NAME/TRADE NAME: SODIUM HYDROXIDE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
1	1	USE TABLE I	USE TABLE I	USE TABLE I	3 DIGIT NO.		USE TABLE IV	
1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 POUNDS 2 GALLONS 3 CUBIC FT.	1	1	1	3 6 5	I 1 1	8.0	1310732 UN/NA NO. 1823

STORAGE LOCATION (BE SPECIFIC) IN BOILER ROOM EAST END

CHEMICAL NAME/TRADE NAME: GASOLINE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2	2	USE TABLE I	USE TABLE I	USE TABLE I	3 DIGIT NO.		USE TABLE IV	
1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	01	3 6 5	N 1 1	3.1	8006-61-9 UN/NA NO. 1203

STORAGE LOCATION (BE SPECIFIC) IN OIL STORAGE ROOM IN WAREHOUSE SOUTH EAST END OF BUILDING

CHEMICAL NAME/TRADE NAME: ACETYLENE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
3	3	USE TABLE I	USE TABLE I	USE TABLE I	3 DIGIT NO.		USE TABLE IV	
1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 POUNDS 2 GALLONS 3 CUBIC FT.	01	01	02	3 6 5	L 2 4	2.1	74-86-2 UN/NA NO. 1001

STORAGE LOCATION (BE SPECIFIC) IN MAINTENANCE SHOP IN REAR OF BUILDING. 1 CYLINDER ON PORTABLE CART IN FRONT OF SHOP INSIDE.

CHEMICAL NAME/TRADE NAME: MOTOR OIL

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2	2	USE TABLE I	USE TABLE I	USE TABLE I	3 DIGIT NO.		USE TABLE IV	
1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	00	3 6 5	N 1 1	9.0	UN/NA NO.

STORAGE LOCATION (BE SPECIFIC) IN OIL STORAGE ROOM IN WAREHOUSE SOUTH EAST END OF BUILDING.

CHEMICAL NAME/TRADE NAME:

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☐

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
		USE TABLE I	USE TABLE I	USE TABLE I	3 DIGIT NO.		USE TABLE IV	
1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 POUNDS 2 GALLONS 3 CUBIC FT.							UN/NA NO.

STORAGE LOCATION (BE SPECIFIC)

KOPPERS COMPANT, INC.  
7540 NW ST HELENS RD  
PORTLAND, OR 97210  
MULTNOMAH

# RETAIN THIS PORTION OF THE FORM FOR FUTURE USE

## OREGON STATE FIRE MARSHAL HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OCCUPANCY CODE: \_\_\_\_\_  
(office use only)

**KEEP THIS SHEET FOR FUTURE CHANGES**

STATUS CODE: \_\_\_\_\_  
(office use only)

Within 15 days of any of the following events, any covered employer shall contact the Oregon State Fire Marshal's Office, Hazardous Materials Section (378-2885) to update the Employer Survey Form.

### SECTION A (check one)

(Complete Sections A & B for changes 1-5 below)

1. \_\_\_\_\_ Change of business address
2. \_\_\_\_\_ Change of business ownership
3. \_\_\_\_\_ Change of business name
4. \_\_\_\_\_ Cessation of business operations
5. \_\_\_\_\_ Any addition, deletion or change to existing SIC codes for the business

(Complete all sections for changes 6-7 below)

6. \_\_\_\_\_ A significant quantity change (one or more quantity range steps) has occurred for a previously reported material
7. \_\_\_\_\_ A new hazardous material is introduced at your business location

### SECTION B (please provide the following information)

1. SIC CODE(S) that apply to location (if known): SIC 1 \_\_\_\_\_ SIC 2 \_\_\_\_\_
2. DATE FORM COMPLETED: \_\_\_\_/\_\_\_\_/\_\_\_\_ DUN & BRADSTREET NO.   -
3. EMPLOYER NAME: \_\_\_\_\_
4. COMPANY NAME: \_\_\_\_\_
5. LOCATION ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ COUNTY: \_\_\_\_\_ ZIP: \_\_\_\_\_  
BUSINESS PHONE: \_\_\_\_\_

### SECTION D CHEMICAL NAME/TRADE NAME:

CORRECT AS SHOWN  
☐  
CORRECTIONS AS INDICATED  
☐  
DELETE  
☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. QTY. ON HAND	MAX. QTY. CODE	AMT. USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 POUNDS 2 GALLONS 3 CUBIC FT.	USE TABLE I	USE TABLE I	USE TABLE I	3 DIGIT NO.		USE TABLE IV	
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	UN/NA NO.

STORAGE LOCATION (BE SPECIFIC) \_\_\_\_\_

# TABLES TO BE USED FOR FORM COMPLETION

TABLE I - REPORTING RANGES

Range Value	From	To
00	0	99
01	100	999
02	1,000	9,999
03	10,000	99,999
04	100,000	999,999
05	1,000,000	9,999,999
06	10,000,000	49,999,999
07	50,000,000	99,999,999
08	100,000,000	499,999,999
09	500,000,000	999,999,999
10	1 billion	higher than 1 billion

TABLE II - STORAGE CODES

Code	Type of Storage
A	= Aboveground tank
B	= Underground tank
C	= Tank inside building
D	= Steel drum
E	= Plastic or non-metallic drum
F	= Can
G	= Carboy
H	= Silo
I	= Fiber drum
J	= Bag
K	= Box
L	= Cylinder
M	= Glass bottles or jugs
N	= Plastic bottles or jugs
O	= Totebin
P	= Tank wagon
Q	= Railcar
R	= Other

TABLE III - TEMPERATURE AND PRESSURE CONDITIONS

Codes	Storage Conditions
1	Ambient pressure (PRESSURE)
2	Greater than ambient pressure
3	Less than ambient pressure
4	Ambient temperature (TEMPERATURE)
5	Greater than ambient temperature
6	Less than ambient temperature but not cryogenic
7	Cryogenic conditions

TABLE IV - CHEMICAL HAZARD CLASSIFICATIONS

- |                              |                                    |                             |
|------------------------------|------------------------------------|-----------------------------|
| (1.1) Class A Explosives     | (3.1) Flammable Liq. (FP<0°F)      | (5.2) Organic Peroxides     |
| (1.2) Class B Explosives     | (3.2) Flammable Liq. (0°F<FP<73°F) | (6.1) Poisonous Materials   |
| (1.3) Class C Explosives     | (3.3) Flamm. Liq. (73°F<FP<141°F)  | (6.2) Etiologic Materials   |
| (1.4) Blasting Agents        | (4.1) Flammable Solids             | (6.3) Acute Health Hazard   |
| (1.5) Insensitive Explosives | (4.2) Combustible Materials        | (6.4) Chronic Health Hazard |
| (2.1) Flammable Gases        | (4.3) Dangerous When Wet           | (7.3) Radioactive Materials |
| (2.2) Nonflammable Gases     | (4.4) Reactive Material            | (8.0) Corrosives            |
| (2.3) Poison Gases           | (5.1) Oxidizers                    | (9.0) Misc. Haz. Materials  |

### EXAMPLE:

The benzene in the main building is kept in a tank inside the building, at ambient pressure and less than ambient temperature.

Table II shows you that the code for a tank inside a building is C. Table III shows you that code for ambient pressure is 1, and the code for less than ambient temperature is 6.

You enter:  C  1  6



*Executive Department*

**STATE FIRE MARSHAL**

3000 MARKET STREET PLAZA - SUITE 534  
SALEM, OREGON 97310-0198

Fire Marshal	378-FIRE
Chief Deputy	378-2848
Adminstrator	378-4530
Accred./Standards	378-2871
Admin. Services	373-1276
Codes/Institutions	378-4917
Data/Public Ed.	378-4464
Fire Prev./Invest.	378-4917
Hazardous Material	378-2885
Licensing/Permits	373-1871
Training	378-5210

Dear Oregon Employer:

Previously, your company was required to complete a Hazardous Substance Employer Survey. This mandatory survey is part of the Community Right to Know and Protection Act adopted by Oregon's Legislature in 1985.

Oregon Revised Statute 453.307-453.372 directs the State Fire Marshal to survey local businesses annually. Information collected each year is used to identify the variety and amount of hazardous substances present in the community and to assist in emergency response and planning activities. In addition, the Federal Government mandated a nationwide Community Right to Know program in 1986 known as SARA Title III. The requirements of these two programs are similar and most of your obligations under both are met through response to the Employer Survey.

In compliance with these laws and to insure the program's integrity, you are required to provide an update on your company's manufacture, use, storage and disposal of hazardous substances.

Enclosed is a summary of the information you previously submitted. An appropriate company representative should review the summary carefully, verify the information, and note any corrections. Any hazardous substance currently in use that is not included in this summary should be added in with its corresponding storage location and amount. Please keep in mind that waste products (i.e. waste oil, waste acetone) are to be reported as well.

THIS UPDATE MUST BE RETURNED TO THE STATE FIRE MARSHAL BY MARCH 1, 1989  
FAILURE TO RESPOND MAY RESULT IN CIVIL PENALTIES OF UP TO \$1,000 PER DAY.

If you have questions, or are in need of assistance, please contact the Hazardous Materials Division at 378-2885 in Salem.

Sincerely,

Olin L. Greene  
State Fire Marshal

OLG:kh1195H  
Enclosure

KOPPERS COMPANT, INC.  
7540 NW ST HELENS RD  
PORTLAND, OR 97210

JAN 23 1989

006202

RETAIN THIS PORTION OF THE FORM FOR FUTURE USE

OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE  
EMPLOYER SURVEY

OCCUPANCY CODE: \_\_\_\_\_  
(office use only)

**KEEP THIS SHEET FOR FUTURE CHANGES**

STATUS CODE: \_\_\_\_\_  
(office use only)

Within 15 days of any of the following events, any covered employer shall contact the Oregon State Fire Marshal's Office, Hazardous Materials Section (378-2885) to update the Employer Survey Form.

**SECTION A** (check one)

(Complete Sections A & B for changes 1-5 below)

- |                                       |   |
|---------------------------------------|---|
| 1. _____ Change of business address   | 4. _____ Cessation of business operations                       |
| 2. _____ Change of business ownership | 5. _____ Any addition, deletion or change to existing SIC codes |
| 3. _____ Change of business name      | for the business  |

(Complete all sections for changes 6-7 below)

6. \_\_\_\_\_ A significant quantity change (one or more quantity range steps) has occurred for a previously reported material
7. \_\_\_\_\_ A new hazardous material is introduced at your business location

**SECTION B** (please provide the following information)

1. SIC CODE(S) that apply to location (if known): SIC 1 \_\_\_\_\_ SIC 2 \_\_\_\_\_
2. DATE FORM COMPLETED: \_\_\_\_/\_\_\_\_/\_\_\_\_ DUN & BRADSTREET NO.   -
3. EMPLOYER NAME: \_\_\_\_\_
4. COMPANY NAME: \_\_\_\_\_
5. LOCATION ADDRESS: \_\_\_\_\_
- CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ COUNTY: \_\_\_\_\_ ZIP: \_\_\_\_\_
- BUSINESS PHONE: \_\_\_\_\_

**SECTION D**

CHEMICAL NAME/TRADE NAME: \_\_\_\_\_

CORRECT AS SHOWN  
☐  
CORRECTIONS AS INDICATED  
☐  
DELETE  
☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. QTY. ON HAND	MAX. QTY. CODE	AMT. USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 POUNDS 2 GALLONS 3 CUBIC FT	USE TABLE I	USE TABLE I	USE TABLE I	3 DIGIT NO.	<input type="text"/> <input type="text"/> <input type="text"/>	USE TABLE IV	<input type="text"/>
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	UN/NA NO. <input type="text"/>

STORAGE LOCATION (BE SPECIFIC) \_\_\_\_\_

# TABLES TO BE USED FOR FORM COMPLETION

**TABLE I - REPORTING RANGES**

Range	Value	From...	To...
00	0		99
01	100		999
02	1,000		9,999
03	10,000		99,999
04	100,000		999,999
05	1,000,000		9,999,999
06	10,000,000		49,999,999
07	50,000,000		99,999,999
08	100,000,000		499,999,999
09	500,000,000		999,999,999
10	1 billion		higher than 1 billion

**TABLE II - STORAGE CODES**

Code	Type of Storage
A	= Aboveground tank
B	= Underground tank
C	= Tank inside building
D	= Steel drum
E	= Plastic or non-metallic drum
F	= Can
G	= Carboy
H	= Silo
I	= Fiber drum
J	= Bag
K	= Box
L	= Cylinder
M	= Glass bottles or jugs
N	= Plastic bottles or jugs
O	= Totebin
P	= Tank wagon
Q	= Railcar
R	= Other

**TABLE III - TEMPERATURE AND PRESSURE CONDITIONS**

Codes	Storage Conditions
	(PRESSURE)
1	Ambient pressure
2	Greater than ambient pressure
3	Less than ambient pressure
	(TEMPERATURE)
4	Ambient temperature
5	Greater than ambient temperature
6	Less than ambient temperature but not cryogenic
7	Cryogenic conditions

**TABLE IV - CHEMICAL HAZARD CLASSIFICATIONS**

(1.1) Class A Explosives	(3.1) Flammable Liq. (FP<0°F)	(5.2) Organic Peroxides
(1.2) Class B Explosives	(3.2) Flammable Liq. (0°F<FP<73°F)	(6.1) Poisonous Materials
(1.3) Class C Explosives	(3.3) Flamm. Liq. (73°F<FP<141°F)	(6.2) Etiologic Materials
(1.4) Blasting Agents	(4.1) Flammable Solids	(6.3) Acute Health Hazard
(1.5) Insensitive Explosives	(4.2) Combustible Materials	(6.4) Chronic Health Hazard
(2.1) Flammable Gases	(4.3) Dangerous When Wet	(7.3) Radioactive Materials
(2.2) Nonflammable Gases	(4.4) Reactive Material	(8.0) Corrosives
(2.3) Poison Gases	(5.1) Oxidizers	(9.0) Misc. Haz. Materials

**EXAMPLE:**

The benzene in the main building is kept in a tank inside the building, at ambient pressure and less than ambient temperature.

Table II shows you that the code for a tank inside a building is C. Table III shows you that code for ambient pressure is 1, and the code for less than ambient temperature is 6.

You enter:  C  1  6



*Executive Department*

**STATE FIRE MARSHAL**

3000 MARKET STREET PLAZA - SUITE 534  
SALEM, OREGON 97310-0198

Fire Marshal	378-FIRE
Chief Deputy	378-2848
Adminstrator	378-4586
Accred./Standards	378-2871
Admin. Services	373-1276
Codes/Institutions	378-4917
Data/Public Ed.	378-4464
Fire Prev./Invest.	378-4917
Hazardous Material	378-2885
Licensing/Permits	373-1871
Training	378-5210

Dear Oregon Employer:

Previously, your company was required to complete a Hazardous Substance Employer Survey. This mandatory survey is part of the Community Right to Know and Protection Act adopted by Oregon's Legislature in 1985.

Oregon Revised Statute 453.307-453.372 directs the State Fire Marshal to survey local businesses annually. Information collected each year is used to identify the variety and amount of hazardous substances present in the community and to assist in emergency response and planning activities. In addition, the Federal Government mandated a nationwide Community Right to Know program in 1986 known as SARA Title III. The requirements of these two programs are similar and most of your obligations under both are met through response to the Employer Survey.

In compliance with these laws and to insure the program's integrity, you are required to provide an update on your company's manufacture, use, storage and disposal of hazardous substances.

Enclosed is a summary of the information you previously submitted. An appropriate company representative should review the summary carefully, verify the information, and note any corrections. Any hazardous substance currently in use that is not included in this summary should be added in with its corresponding storage location and amount. Please keep in mind that waste products (i.e. waste oil, waste acetone) are to be reported as well.

**THIS UPDATE MUST BE RETURNED TO THE STATE FIRE MARSHAL BY MARCH 1, 1989  
FAILURE TO RESPOND MAY RESULT IN CIVIL PENALTIES OF UP TO \$1,000 PER DAY.**

If you have questions, or are in need of assistance, please contact the Hazardous Materials Division at 378-2885 in Salem.

Sincerely,

Olin L. Greene  
State Fire Marshal

OLG:kh1195H  
Enclosure

KOPPERS COMPANT, INC.  
7540 NW ST HELENS RD  
PORTLAND, OR 97210

006202

JAN 25 1989

## CHEMICAL NAME/TRADE NAME: COAL TAR PITCH

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
1 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 1 POUNDS 2 GALLONS 3 CUBIC FT.	5 [ ]	5 [ ]	3 [ ]	000 365	R 1 1 [ ] [ ] [ ]	3.2 0. [ ] [ ]	0000000000 65996-93-2 UN/NA NO. 0000

STORAGE LOCATION (BE SPECIFIC) PITCH STORAGE BLDG

## CHEMICAL NAME/TRADE NAME: CREOSOTE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	4 [ ]	5 [ ]	5 [ ]	000 365	A 2 5 D [ ] [ ]	4.2 0. [ ] [ ]	0008001589 UN/NA NO. 1993 9188

STORAGE LOCATION (BE SPECIFIC) TANK FARM, LABORATORY IN REAR SAMPLE ROOM, IN WAREHOUSE IN FRONT JUST INSIDE DOOR

## CHEMICAL NAME/TRADE NAME: DIESEL #2

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	0 [ ]	1 [ ]	01 [ ]	000 365	D 1 1 [ ] [ ] [ ]	3.3 0. [ ] [ ]	0000000000 UN/NA NO. 1993

STORAGE LOCATION (BE SPECIFIC) IN STEEL DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE

## CHEMICAL NAME/TRADE NAME: HELIUM

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
3 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	3 1 POUNDS 2 GALLONS 3 CUBIC FT.	1 [ ]	1 [ ]	01 [ ]	000 365	L 2 4 [ ] [ ] [ ]	2.2 0. [ ] [ ]	0007440597 UN/NA NO. 1046

STORAGE LOCATION (BE SPECIFIC) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE

## CHEMICAL NAME/TRADE NAME: HYDROGEN

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
3 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	3 1 POUNDS 2 GALLONS 3 CUBIC FT.	1 [ ]	1 [ ]	01 [ ]	000 365	L 2 4 [ ] [ ] [ ]	2.1 0. [ ] [ ]	0001333740 UN/NA NO. 1049

STORAGE LOCATION (BE SPECIFIC) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE

## CHEMICAL NAME/TRADE NAME: OXYGEN

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
3 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	3 1 POUNDS 2 GALLONS 3 CUBIC FT.	1 [ ]	1 [ ]	01 [ ]	000 365	L 2 4 [ ] [ ] [ ]	5.1 2.2 [ ] [ ]	0007782447 UN/NA NO. 1072

STORAGE LOCATION (BE SPECIFIC) IN MAINT SHOP IN REAR OF BLDG 1 CYLINDER ON PORTABLE CART IN FROM OF SHOP INSIDE

KOPPERS COMPANT, INC.  
7540 NW ST HELENS RD  
PORTLAND, OR 97210  
MULTNOMAH



## CHEMICAL NAME/TRADE NAME: SODIUM BISULFITE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☐

DELETE ☒

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
1 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 1 POUNDS 2 GALLONS 3 CUBIC FT.	USE TABLE I 3	USE TABLE I 3	USE TABLE I	3 DIGIT NO. 000	J	9.0 0.	0007631905
								UN/NA NO. 2693

STORAGE LOCATION (BE SPECIFIC) IN WAREHOUSE ALONG SOUTH AND NORTH WALLS

## CHEMICAL NAME/TRADE NAME: SODIUM SULFITE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☐

DELETE ☒

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
1 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 1 POUNDS 2 GALLONS 3 CUBIC FT.	USE TABLE I 4	USE TABLE I 5	USE TABLE I 2	3 DIGIT NO. 000	I 1 1	9.0 0.	0007757837
		1	1		365			UN/NA NO. 0000

STORAGE LOCATION (BE SPECIFIC) IN WAREHOUSE IN REAR AND MIDDLE AREAS

In boiler Room  
Cart and

## CHEMICAL NAME/TRADE NAME: TAR REFINED

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☐

DELETE ☒

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	3	3	3	000	A 2 2 D 1 1	4.2 0.	0065996932
					365			UN/NA NO. 0000

STORAGE LOCATION (BE SPECIFIC) RAIL TRACK #5 BY PITCH STORAGE BLDD. #17TH IN TANK  
FARM, IN WAREHOUSE, IN FROM JUST INSIDE DOOR

## CHEMICAL NAME/TRADE NAME: REFINED QUINOLINE

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☐

DELETE ☒

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	00	365	F 1 4	8.0	91-22-5
		00						UN/NA NO. 1760

STORAGE LOCATION (BE SPECIFIC) In warehouse just inside main door on  
North east side of building. also in laboratory no more  
than 5 gals present

## CHEMICAL NAME/TRADE NAME: Xylene

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☐

DELETE ☒

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	00	365	D 1 4	3.3	
								UN/NA NO. 1307

STORAGE LOCATION (BE SPECIFIC) In metal Drum outside West end of laboratory.  
also in canary inside laboratory

## CHEMICAL NAME/TRADE NAME: Perchloroethylene

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☐

DELETE ☒

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	00	365	D 1 4	9.0	000127-18-4
								UN/NA NO.

STORAGE LOCATION (BE SPECIFIC) In metal Drum outside West end of laboratory

KOPPERS COMPANT, INC.  
7540 NW ST HELENS RD  
PORTLAND, OR 97210  
MULTNOMAH

CHEMICAL NAME/TRADE NAME: Acetone

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	00	365	F 1 4	3.1	67-64-1
UN/NA NO.								

STORAGE LOCATION (BE SPECIFIC) In laboratory at west end of buildingCHEMICAL NAME/TRADE NAME: Sodium Hydroxide

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
1 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 1 POUNDS 2 GALLONS 3 CUBIC FT.	01	01	01	365	I 1 1	8.0	1310-73-2
UN/NA NO. 1823								

STORAGE LOCATION (BE SPECIFIC) In Boiler Room - East endCHEMICAL NAME/TRADE NAME: Gasoline

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	01	365	N 1 1	3.1	8006-61-9
UN/NA NO. 1203								

STORAGE LOCATION (BE SPECIFIC) In Oil Storage Room in Warehouse. South East end of buildingCHEMICAL NAME/TRADE NAME: Acetylene

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
3 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	3 1 POUNDS 2 GALLONS 3 CUBIC FT.	01	01	02	365	L 2 4	2.1	74-86-2
UN/NA NO. 1001								

STORAGE LOCATION (BE SPECIFIC) In paint shop in rear of building 1 cylinder on portable cart in front of shop insideCHEMICAL NAME/TRADE NAME: Motor Oil

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☒

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
2 1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	2 1 POUNDS 2 GALLONS 3 CUBIC FT.	00	00	00	365	N 1 1	9.0	
UN/NA NO.								

STORAGE LOCATION (BE SPECIFIC)

CHEMICAL NAME/TRADE NAME:

CORRECT AS SHOWN ☐

CORRECTIONS AS INDICATED ☐

DELETE ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG.QTY. ON HAND	MAX.QTY. CODE	AMT.USED PER YEAR	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE II & III)	HAZARD CLASSES	CAS NO.(IF KNOWN)
1 SOLID 4 PURE 2 LIQUID 5 MIX 3 GAS	1 POUNDS 2 GALLONS 3 CUBIC FT.							
UN/NA NO.								

STORAGE LOCATION (BE SPECIFIC)

1989 - 1990  
HAZARDOUS SUBSTANCE EMPLOYER SURVEY  
TABLES TO BE USED FOR FORM COMPLETION

**TABLE I**

1 = SOLID  
2 = LIQUID  
3 = GAS

**TABLE II**

1 = POUNDS  
2 = GALLONS  
3 = CUBIC FEET

**TABLE V - TEMPERATURE AND PRESSURE CONDITIONS  
AND STORAGE CODES**

Codes	Storage Conditions
	(PRESSURE)
1	Ambient pressure
2	Greater than ambient pressure
3	Less than ambient pressure
	(TEMPERATURE)
4	Ambient temperature
5	Greater than ambient temperature but not cryogenic
6	Less than ambient temperature
7	Cryogenic conditions

**EXAMPLE:**

Benzene in the main building is kept in a tank inside the building, at ambient pressure and less than ambient temperature.

Table IV shows you that the code for a tank inside a building is C. Table V shows you that code for ambient pressure is 1, and the code for less than ambient temperature is 6.

You enter: C 1 6

**TABLE III - REPORTING RANGES  
AND CODES**

RANGE (Code)	FROM...	TO...
00	0	99
10	100	499
11	500	999
20	1,000	4,999
21	5,000	9,999
30	10,000	49,999
31	50,000	99,999
40	100,000	249,999
41	250,000	499,999
42	500,000	749,999
43	750,000	999,999
50	1,000,000	2,499,999
51	2,500,000	4,999,999
52	5,000,000	7,499,999
53	7,500,000	9,999,999
60	10,000,000	24,999,999
61	25,000,000	49,999,999
70	50,000,000	74,999,999
71	75,000,000	99,999,999
80	100,000,000	249,999,999
81	250,000,000	499,999,999
90	500,000,000	749,999,999
91	750,000,000	999,999,999
99	1 BILLION	HIGHER THAN 1 BILLION

**TABLE IV - STORAGE CODES**

Code	Type of Storage
A =	Aboveground tank
B =	Underground tank
C =	Tank inside building
D =	Steel drum
E =	Plastic or non-metallic drum
F =	Can
G =	Carboy
H =	Silo
I =	Fiber drum
J =	Bag
K =	Box
L =	Cylinder
M =	Glass bottles or jugs
N =	Plastic bottles or jugs
O =	Totebin
P =	Tank wagon
Q =	Railcar
R =	Other

**TABLE VI HAZARD CLASSIFICATION CODES**

(1.1) Class A Explosives	(3.2) Flammable Liq. (0°F < FP < 73°F)	(6.1) Poisonous Materials
(1.2) Class B Explosives	(3.3) Flamm. Liq. (73°F < FP < 141°F)	(6.2) Etiologic Materials
(1.3) Class C Explosives	(4.1) Flammable Solids	(6.3) Acute Health Hazard
(1.4) Blasting Agents	(4.2) Spontaneously Combustible Material	(6.4) Chronic Health Hazard
(1.5) Insensitive Explosives	(4.3) Dangerous When Wet	(7.3) Radioactive Materials
(2.1) Flammable Gases	(4.4) Reactive Material	(8.0) Corrosives
(2.2) Nonflammable Gases	(4.5) Combustible Materials	(9.0) Misc. Haz. Materials
(2.3) Poison Gases	(5.1) Oxidizers	
(3.1) Flammable Liq. (FP < 0°F)	(5.2) Organic Peroxides	

**SECTION D EXAMPLE**

PURE COMMON NAME/TRADE NAME: GASOLINE  
☒ MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

☒ CORRECT AS SHOWN  
 CORRECTIONS AS INDICATED  
 DELETE

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. ON HAND USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	20	30	30	265	A 1 4 D 1 4	3.1	8006-61-9
								UN/NA NO.
								1203

STORAGE LOCATIONS (BE SPECIFIC) TANK LOCATED EAST OF MAIN OFFICE - DRUMS LOCATED SOUTH OF OIL STORAGE SHED

PS Form 3811, July 1983 447-845

<b>SENDER: Complete items 1, 2, 3 and 4.</b> Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.	
1. <input type="checkbox"/> Show to whom, date and address of delivery.	
2. <input type="checkbox"/> Restricted Delivery.	
3. Article Addressed to: STATE FIRE MARSHAL'S OFFICE 3000 MARKET ST NE SUITE 534 SALEM OR 97301-1836 ATTN: HAZ. MATERIAL SECTION	
4. Type of Service: <input checked="" type="checkbox"/> Registered <input type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD Article Number <b>R076308146</b>
Always obtain signature of addressee or agent and <b>DATE DELIVERED</b>	
5. Signature - Addressee <b>X</b>	
6. Signature - Agent <b>X Jannie Curren Warren</b>	
7. Date of Delivery <b>FEB 28 1990</b>	
8. Addressee's Address (ONLY if requested and fee paid)	

DOMESTIC RETURN RECEIPT

**UNITED STATES POSTAL SERVICE**  
**OFFICIAL BUSINESS**



PENALTY FOR PRIVATE  
USE, \$300

**SENDER INSTRUCTIONS**

Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

**RETURN  
TO** 

JOHN A OXFORD

(Name of Sender)

KOPPERS INDUSTRIES INC

(No. and Street, Apt., Suite, P.O. Box or R.D. No.)

7540 NW ST HELENS RD

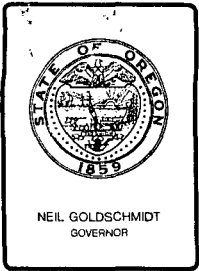
(City, State, and ZIP Code)

PORTLAND OREGON 97210

FEB 28

MAR

1



*Executive Department*  
**STATE FIRE MARSHAL**

3000 MARKET STREET PLAZA - SUITE 534  
SALEM, OREGON 97310-0198

Administration	378-FIRE
Logistics and Finance	378-4580
Operations	378-2848
Planning	373-1540
Accreditation/Standards	378-2871
Admin. Services	373-1276
Data	378-4464
Fire Prev./Investigation	378-4917
Hazardous Materials	378-2885
Institutions/Codes	378-4917
Licensing/Permits	373-1871
Public Education	378-2884
Training	378-5210
FAX	(503) 588-FIRE

PR0006440

KOPPERS COMPANT, INC.  
7540 NW ST HELENS RD  
PORTLAND OR 97210

Dear Oregon Business:

Previously, your business was required to complete a Hazardous Substance Employer Survey. This mandatory survey is part of the Community Right to Know and Protection Act adopted by Oregon's Legislature in 1985.

Oregon Revised Statute 453.307-453.414 directs the State Fire Marshal to survey local businesses annually. Information collected each year is used to identify the variety and amount of hazardous substances present in the community and to assist in emergency response and planning activities. In addition, the Federal Government mandated a nationwide Community Right to Know program in 1986 known as SARA Title III, Section 312. The requirements of these two programs are similar and most of your obligations under both are met through response to this Employer Survey.

In compliance with these laws and to insure the program's integrity, you are required to provide an update for the hazardous substances your business manufactures, uses, stores, sells, disposes of, or otherwise possesses.

Enclosed is a summary of the information you previously submitted. An appropriate business representative should review the summary carefully, verify the information, and make any corrections and additions. Any hazardous substance currently in use that is not included in this summary is required to be added along with the corresponding storage location and amount. Please keep in mind that waste products (i.e. waste oil, waste acetone) are to be reported as well.

THIS UPDATE MUST BE RETURNED TO THE STATE FIRE MARSHAL BY MARCH 1, 1990  
FAILURE TO RESPOND MAY RESULT IN CIVIL PENALTIES OF UP TO \$1,000 PER DAY

If you have questions, or are in need of assistance, please contact the Hazardous Materials Bureau at 378-2885 in Salem.

Sincerely,

Olin L. Greene  
State Fire Marshal

OLG:jn  
Enclosure

JAN 3 1

**IMPORTANT: PROMPT REPLY REQUIRED-  
RETURN BY MARCH 1, 1990**

Page 1

Koppers012116

# 1989 - 1990 HAZARDOUS SUBSTANCE EMPLOYER SURVEY TABLES TO BE USED FOR FORM COMPLETION

**TABLE I**

1 = SOLID  
2 = LIQUID  
3 = GAS

**TABLE II**

1 = POUNDS  
2 = GALLONS  
3 = CUBIC FEET

**TABLE III - REPORTING RANGES  
AND CODES**

RANGE (Code)	FROM...	TO...
00	0	99
10	100	499
11	500	999
20	1,000	4,999
21	5,000	9,999
30	10,000	49,999
31	50,000	99,999
40	100,000	249,999
41	250,000	499,999
42	500,000	749,999
43	750,000	999,999
50	1,000,000	2,499,999
51	2,500,000	4,999,999
52	5,000,000	7,499,999
53	7,500,000	9,999,999
60	10,000,000	24,999,999
61	25,000,000	49,999,999
70	50,000,000	74,999,999
71	75,000,000	99,999,999
80	100,000,000	249,999,999
81	250,000,000	499,999,999
90	500,000,000	749,999,999
91	750,000,000	999,999,999
99	1 BILLION	HIGHER THAN 1 BILLION

**TABLE IV - STORAGE CODES**

Code	Type of Storage
A =	Aboveground tank
B =	Underground tank
C =	Tank inside building
D =	Steel drum
E =	Plastic or non-metallic drum
F =	Can
G =	Carboy
H =	Silo
I =	Fiber drum
J =	Bag
K =	Box
L =	Cylinder
M =	Glass bottles or jugs
N =	Plastic bottles or jugs
O =	Totebin
P =	Tank wagon
Q =	Railcar
R =	Other

**TABLE V - TEMPERATURE AND PRESSURE CONDITIONS  
AND STORAGE CODES**

Codes	Storage Conditions
(PRESSURE)	
1	Ambient pressure
2	Greater than ambient pressure
3	Less than ambient pressure
(TEMPERATURE)	
4	Ambient temperature
5	Greater than ambient temperature but not cryogenic
6	Less than ambient temperature
7	Cryogenic conditions

**EXAMPLE:**

Benzene in the main building is kept in a tank inside the building, at ambient pressure and less than ambient temperature.

Table IV shows you that the code for a tank inside a building is C. Table V shows you that code for ambient pressure is 1, and the code for less than ambient temperature is 6.

You enter: C 1 6

**TABLE VI HAZARD CLASSIFICATION CODES**

(1.1) Class A Explosives	(3.2) Flammable Liq. (0°F<FP<73°F)	(6.1) Poisonous Materials
(1.2) Class B Explosives	(3.3) Flamm. Liq. (73°F<FP<141°F)	(6.2) Etiologic Materials
(1.3) Class C Explosives	(4.1) Flammable Solids	(6.3) Acute Health Hazard
(1.4) Blasting Agents	(4.2) Spontaneously Combustible Material	(6.4) Chronic Health Hazard
(1.5) Insensitive Explosives	(4.3) Dangerous When Wet	(7.3) Radioactive Materials
(2.1) Flammable Gases	(4.4) Reactive Material	(8.0) Corrosives
(2.2) Nonflammable Gases	(4.5) Combustible Materials	(9.0) Misc. Haz. Materials
(2.3) Poison Gases	(5.1) Oxidizers	
(3.1) Flammable Liq. (FP<0°F)	(5.2) Organic Peroxides	

## SECTION D EXAMPLE

☐ PURE COMMON NAME/TRADE NAME: **GASOLINE**  
☒ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. ON HAND USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> CORRECT AS SHOWN	2	2	20	30	30	265	A 1 4 D 1 4	3.1	8006-61-9
<input type="checkbox"/> CORRECTIONS AS INDICATED									
<input type="checkbox"/> DELETE									

STORAGE LOCATIONS (BE SPECIFIC) TANK LOCATED EAST OF MAIN OFFICE - DRUMS LOCATED SOUTH OF OIL STORAGE SHED

UN/NA NO.

**1203**

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE OFFICIALS:

## SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS.

**PURE** COMMON NAME/TRADE NAME: **ACETONE**

<p> <b>MIXTURE</b> </p>	<p> <b>CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:</b> </p>
-------------------------	---

CORRECT  
 AS SHOWN  
 CORRECTIONS  
 AS INDICATED  
 DELETE

PROJECT STATE	REF ID MEASURE	REF ID CODE	REF ID CODE	YEAR (YR)	VALUE (YR)	REF ID MEASURE	REF ID CODE	CAS NO. (IF KNOWN)
2	2	00	00	00	365	F 1 4	3.1 0.	0000067641

STORAGE LOCATIONS: ICE CREEK, IN LAB AT W END OF BLDG

UN/NA NO

1090

**PURE**      **COMMON NAME/TRADE NAME**      **ACETYLENE**

[illegible]

X  
CORRECTIONS  
AS INDICATED  
DELETE

3	3	10	10	20	365	L 2 4 - - -	2.1 0.	0000074862
---	---	----	----	----	-----	----------------	--------	------------

STORAGE LOCATIONS (BE SPECIFIC) IN MAINTENANCE SHOP IN REAR OF BLDG.  
1 CYLINDER ON PORTABLE CART IN FRONT OF SHOP INSIDE

UN/NA NO

1001

X PURE COMMON NAME/TRADE NAME: COAL TAR PITCH

10. **MIXTURE** CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

☐ CORRECT  
AS SHOWN

☒ CORRECTIONS  
AS INDICATED

☐ DELETE

PHYSICAL STATE	UNIT OF MEASURE	ACT. AMT. (GROSS)	ACT. AMT. (NET)	DIFFER. (GROSS - NET)	DIFFER. (NET - GROSS)	GRAND TOTAL (GROSS + NET)	GRAND TOTAL (NET - GROSS)	CAS. NO. (IF KNOWN)
USE TABLE 1	USE TABLE 1	USE TABLE 1	USE TABLE 1	USE TABLE 1	USE TABLE 1	USE TABLE 1	USE TABLE 1	-
2	1	50	50	30	365	R 1 4 - - -	3.2 0.	0000000000
1	1	53	53	52			4 5	6599693-2

STORAGE LOCATIONS (BE SPECIFIC) **PITCH STORAGE BLDG**

MAY 1990

0000

IS A PURE	COMMON NAME	TRADE NAME	CREOSOTE

**X** MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: **HYDRO CARBONS**

☐ CORRECT  
☐ AS SHOWN  
☐ CORRECTIONS  
☒ AS INDICATED  
☐ DELETE

PHYSICAL STATE	UNIT OF MEASURE	AUG. AMP CODE	MAY. LAST CODE	AUG. 1969 YEAR CODE	PROB. DATA CODE	TEMPERATURE YEAR CODE	PRECIP. YEAR CODE	CAS NO. OF KNOWN
USE TABLE I	USE TABLE I	USE TABLE II	USE TABLE II	USE TABLE II	USE TABLE II	USE TABLE IV	USE TABLE IV	USE TABLE IV
2	2	40	50	50	365	A 2 5 D - -	4.2 0.	0008001589
						A 1 5	4 5	

STORAGE LOCATION - 6 STEEL BOX, FRANK FARM, LABORATORY IN REAR SAMPLE  
ROOMS X BY WAREHOUSE X IN FRONT OF ST. JAMES CHURCH XXXXXXXXXXXXXXX

UPL B&amp;B MC

1993

9188

TANK FARM, RAIL TRACK SOUTH END OF PLANT



1989-1990

ACCOUNT NUMBER 006202  
PAGE 002 OF 004

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

SECTION D

## SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS

☒ PURE COMMON NAME/TRADE NAME: **DIESEL #2**☐ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:☒ CORRECT  
☒ AS SHOWN  
☐ CORRECTIONS  
AS INDICATED  
☐ DELETE

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	00	10	10	365	D 1 4 - - -	3.2 0.	0000000000
				11			3 3	

STORAGE LOCATIONS (BE SPECIFIC) **IN STEEL DRUMS JUST IN FRONT OF  
WAREHOUSE OUTSIDE**

UN/NA NO.

1993

☒ PURE COMMON NAME/TRADE NAME: **GASOLINE**☐ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:☒ CORRECT  
☒ AS SHOWN  
☐ CORRECTIONS  
AS INDICATED  
☐ DELETE

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	00	00	10	365	N 1 4 - - -	3.1 0.	0008006619

STORAGE LOCATIONS (BE SPECIFIC) **IN OIL STORAGE ROOM IN WAREHOUSE SE  
END OF BLDG**

UN/NA NO.

1203

☒ PURE COMMON NAME/TRADE NAME: **HELIUM**☐ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:☒ CORRECT  
☒ AS SHOWN  
☐ CORRECTIONS  
AS INDICATED  
☐ DELETE

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
3	3	10	10	10	365	L 2 4 - - -	2.2 0.	0007440597
				20				

STORAGE LOCATIONS (BE SPECIFIC) **CYLINDER MOUNTED ON SOUTH SIDE OF  
LABORATORY BLDG OUTSIDE**

UN/NA NO.

1046

☒ PURE COMMON NAME/TRADE NAME: **HYDROGEN**☐ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:☒ CORRECT  
☒ AS SHOWN  
☐ CORRECTIONS  
AS INDICATED  
☐ DELETE

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
3	3	10	10	10	365	L 2 4 - - -	2.1 0.	0001333740
				20				

STORAGE LOCATIONS (BE SPECIFIC) **CYLINDER MOUNTED ON SOUTH SIDE OF  
LABORATORY BLDG OUTSIDE**

UN/NA NO.

1049

1989-1990

REPORT NUMBER 006202  
PAGE 003 OF 004

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

SECTION 3

## SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS

☐ PURE COMMON NAME/TRADE NAME: MOTOR OIL☒ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDRO CARBONS

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	00	00	00	365	N 1 4 - - -	4.2 0.	0007440666
						D 1 4		

STORAGE LOCATIONS (BE SPECIFIC): IN OIL STORAGE ROOM IN WAREHOUSE SE  
END OF BLDG

UN/NA NO.

1270

☒ PURE COMMON NAME/TRADE NAME: OXYGEN☒ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
3	3	10	10	10	365	L 2 4 - - -	5.1 2.2	0007782447

STORAGE LOCATIONS (BE SPECIFIC): ~~XXX MAINTX SHOP IN REAR OF BLDG XX~~  
~~CHLINDER ON PORTABLE CART XXX FROM OF XSHOPX INSIDE~~

UN/NA NO.

1072

CYLINDER MOUNTED ON SOUTHSIDE OF LABORATORY BUILDING OUTSIDE

☒ PURE COMMON NAME/TRADE NAME: PERCHLOROETHYLENE☒ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: TETRACHLORETHYLENE

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	00	00	00	365	D 1 4 - - -	9.0 6.4	0000127184

STORAGE LOCATIONS (BE SPECIFIC): ~~XXX METALX FROM OUTSIDE X W ENDX OF LAB~~

UN/NA NO.

1897

IN METAL DRUM OUTSIDE W END OF LAB

☒ PURE COMMON NAME/TRADE NAME: QUINOLINE REFINED☒ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: QUINOLINE

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	00	00	00	365	F 1 4 - - -	8.0 0.	0000000000
								91-22-5

STORAGE LOCATIONS (BE SPECIFIC): IN WHSE JUST INSIDE OF MAIN DOOR ON  
NE SIDE OF BLDG. ALSO IN LAB NO MORE THAN 5 GAL PRESENT

UN/NA NO.

0000

1760

1989-1990

ACCOUNT NUMBER **006202**  
PAGE **004** OF **004**

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

**SECTION D**

## SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS

☒ PURE COMMON NAME/TRADE NAME: **SODIUM HYDROXIDE**☒ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>365</b>	<b>1 1 4</b>	<b>8.0 0.</b>	<b>0001310732</b>

STORAGE LOCATIONS (BE SPECIFIC): **IN BOILER ROOM E END**

UN/NA NO.

**1823**☒ PURE COMMON NAME/TRADE NAME: **SODIUM SULFITE**☒ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: **SULFUR**

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>365</b>	<b>1 1 4</b>	<b>9.0 0.</b>	<b>0007757837</b>

STORAGE LOCATIONS (BE SPECIFIC): **IN BOILER ROOM E END**

UN/NA NO.

**0000**☒ PURE COMMON NAME/TRADE NAME: **TAR REFINED**☒ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: **HYDRO CARBONS**

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<b>2</b>	<b>2</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>365</b>	<b>A 2 4</b> <b>D 1 4</b>	<b>4.2 0.</b>	<b>0065996932</b>

STORAGE LOCATIONS (BE SPECIFIC): **RAIL TRACK #15 BY PITCH STORAGE BLDG.****#17 IN TANK FARM IN WAREHOUSE IN FRONT JUST INSIDE DOOR**

UN/NA NO.

**0000****TANK #17 IN TANK FARM, IN WAREHOUSE, IN FRONT JUST INSIDE DOOR**☒ PURE COMMON NAME/TRADE NAME: **XYLENE**☒ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: **XYLENE**

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<b>2</b>	<b>2</b>	<b>00</b>	<b>00</b>	<b>00</b>	<b>365</b>	<b>D 1 4</b>	<b>3.2 6.3</b>	<b>0001330207</b>

STORAGE LOCATIONS (BE SPECIFIC): **IN METAL DRUM OUTSIDE W END OF LAB****ALSO IN PLASTIC BOTTLE IN LAB**

UN/NA NO.

**1307****PLASTIC BOTTLE IN LAB**

1989-1990

ACCOUNT NUMBER 006202  
PAGE OF

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

## SECTION B

## SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS

☐ PURE COMMON NAME/TRADE NAME: CREOSOTE☒ MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDRO CARBONS

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	10	20	365	D 1 4 F 1 4	4.5	0008001589

STORAGE LOCATIONS (BE SPECIFIC)

LAB IN REAR SAMPLE ROOM, IN WAREHOUSE IN REAR

UN/NA NO.

9188

☐ PURE COMMON NAME/TRADE NAME: REFINED TAR☒ MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDRO CARBONS

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	30	31	31	365	Q 1 5	4.2	65996932

STORAGE LOCATIONS (BE SPECIFIC)

RAIL TRACK #5 BY PITCH STORAGE BUILDING

UN/NA NO.  
0000☒ PURE COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE☒ MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	30	30	30	365	A 1 5 Q 1 5	4.5 6.3	73665186

STORAGE LOCATIONS (BE SPECIFIC)

IN TANK FARM #99 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT

UN/NA NO.  
1334☐ PURE COMMON NAME/TRADE NAME: METHYL NAPHTHALENE FRACTION☒ MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: METHYL NAPHTHALENE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	30	30	30	365	A 1 4 Q 1 4	4.5 6.3	1321944

STORAGE LOCATIONS (BE SPECIFIC)

IN TANK FARM #3 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT

UN/NA NO.  
1137

1989-1990

ACCOUNT NUMBER 006202

PAGE OF

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

SECTION D

## SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS

☐ PURE COMMON NAME/TRADE NAME:

SOLVENT GRADE COAL TAR NAPHTH.

☒ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

INDENE

☐ CORRECT  
AS SHOWN  
☒ CORRECTIONS  
AS INDICATED  
☐ DELETE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.		USE TABLE VI	
2	2	30	30	30	365	A 1 4	3.3 6.3	65996794

STORAGE LOCATIONS (BE SPECIFIC)

IN TANK FARM TANK # 34, IN RAIL CAR TRACK #3 SOUTH END OF PLANT

UN/NA NO.

1136

☒ PURE COMMON NAME/TRADE NAME:

PROPANE

☐ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:☐ CORRECT  
AS SHOWN  
☒ CORRECTIONS  
AS INDICATED  
☐ DELETE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.		USE TABLE VI	
3	2	00	00	11	365	L 2 6	2.1 3.2	74986

STORAGE LOCATIONS (BE SPECIFIC)

IN OIL ROOM IN WAREHOUSE SOUTHEAST END OF BUILDING, ON FORK LIFTS  
IN FRONT OF WAREHOUSE, ON TRACK #5 LOADING STATION.

UN/NA NO.

1075

☐ PURE COMMON NAME/TRADE NAME:☐ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:☐ CORRECT  
AS SHOWN  
☐ CORRECTIONS  
AS INDICATED  
☐ DELETE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.		USE TABLE VI	

STORAGE LOCATIONS (BE SPECIFIC)

UN/NA NO.

☐ PURE COMMON NAME/TRADE NAME:☐ MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:☐ CORRECT  
AS SHOWN  
☐ CORRECTIONS  
AS INDICATED  
☐ DELETE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.		USE TABLE VI	

PAGE

UN/NA NO.



1989 - 1990

Account Number 006202

# HAZARDOUS SUBSTANCE EMPLOYER SURVEY OREGON STATE FIRE MARSHAL

TO COMPLETE OR MAKE CORRECTIONS: DO NOT USE PEN OR PENCIL. TYPE CHANGES OR ADDITIONS ONLY IN THE APPROPRIATE COLORED AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA IN SECTIONS A, B AND D.

**SECTION A**

HAZARDOUS SUBSTANCE PRESENCE (Enter the appropriate number, either 1, 2 or 3 in the box to the left)

**3**

1. No hazardous substances are used at this site in any way. Type the number 1 in the box to the left. Complete Sections B and C.
2. Hazardous substances are used at this site by our company, but do not meet reporting requirements. Type number 2 in the box to the left. Complete Sections B and C.
3. Hazardous substances are used at this site by our business in reportable quantities. Type number 3 in the box to the left. Complete all parts of this form, Sections B, C and D.

**SECTION B**

DEMOGRAPHIC DATA (Please type the following information in the shaded areas if it is not preprinted. See instructions page 5 and 6 for guidance)

1. SIC CODE(S) Enter all that apply to business SIC 1 **2865** SIC 2 **0000** SIC 3
2. TYPE OF BUSINESS: **CREOSOTE & COAL TAR PITCH TERMINAL**
3. DATE FORM COMPLETED: **2/27/90** DUN & BRADSTREET No.: ~~02-703-1159~~ **NONE ASSIGNED**
4. EMPLOYER NAME: **JOHN OXFORD** **AT THIS TIME**
5. BUSINESS NAME: ~~KOPPERS INDUSTRIES INC~~ **TAR**  
Dept. or Div.:
6. SITE ADDRESS: **7540 NW ST HELENS RD**
7. MAILING ADDRESS: **7540 NW ST HELENS RD**

CITY: **PORTLAND**CITY: **PORTLAND**COUNTY: **MULTNOMAH**COUNTY: **MULTNOMAH**STATE: **OR** ZIP CODE: **97210**STATE: **OR** ZIP CODE: **97210**BUSINESS PHONE: **503/286-3681**8. NUMBER OF EMPLOYEES AT THIS SITE: **0009**

9. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: **JOHN OXFORD** CONTACT PHONES:  
DAY **503/286-3681** NIGHT ~~503/251-5011~~

**(206) 737-0737**

10. RESPONSIBLE FIRE DEPARTMENT: **ST. JOHN'S**

11. SPECIAL EMERGENCY PROCEDURES: (See Instructions, page 5. Use additional pages as necessary)  
**NONE**

12. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO (NFPA 704)? (YES or NO) **NO**

**SECTION C**

PERSON COMPLETING FORM

SIGNATURE

*John A Oxford*PRINT NAME **JOHN A OXFORD**

THE ABOVE DATA IS:

CORRECT AS SHOWN

CORRECTIONS ARE MADE **X**

THE NAME AND SIGNATURE OF THE PERSON RESPONSIBLE FOR COMPLETION OF THE FORM. THIS PERSON WILL BE CONTACTED TO ANSWER ANY QUESTIONS NEEDING CLARIFICATION.

**DO NOT DUPLICATE THIS FORM**

REQUEST ADDITIONAL COPIES IF YOU MUST REPORT FOR MORE THAN ONE SITE

**TYPE ALL ANSWERS**

THIS SHEET MUST BE SIGNED AND RETURNED

Koppers012124

<p><b>SENDER:</b> Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.</p> <p>Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.</p> <p>1. <input checked="" type="checkbox"/> Show to whom delivered, date, and addressee's address. (Extra charge)      2. <input type="checkbox"/> Restricted Delivery (Extra charge)</p>	
<p>3. Article Addressed to:</p> <p>ATTN: HAZARDOUS MATERIALS DIVISION OFFICE OF STATE FIRE MARSHALL 3000 MARKET ST NE SUITE 534 SALEM OR 97301-1836</p>	<p>4. Article Number 10879 105259</p> <p>Type of Service:</p> <p><input type="checkbox"/> Registered      <input type="checkbox"/> Insured  <input checked="" type="checkbox"/> Certified      <input type="checkbox"/> COD  <input type="checkbox"/> Express Mail      <input checked="" type="checkbox"/> Return Receipt for Merchandise</p> <p>Always obtain signature of addressee or agent and <b>DATE DELIVERED</b>.</p>
<p>5. Signature — Addressee X</p>	<p>8. Addressee's Address (ONLY if requested and fee paid)</p>
<p>6. Signature — Agent <i>[Signature]</i></p>	
<p>7. Date of Delivery APR 17 1991</p>	
<p>PS Form 3811, Apr. 1989      ★ U.S.G.P.O. 1989-238-815      DOMESTIC RETURN RECEIPT</p>	

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

**SENDER INSTRUCTIONS**

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RETURN  
TO



RECEIVED

APR 18 1991

KOPPERS INDS., INC.  
PORTLAND, OR



PENALTY FOR PRIVATE  
USE, \$300

Print Sender's name, address, and ZIP Code in the space below.

KOPPERS INDUSTRIES INC

7540 NW ST HELENS RD

PORTLAND OR 97210





---

EXECUTIVE  
DEPARTMENT

---

State Fire Marshal

March 29, 1991

Dear Employer,

As you are well aware, this survey is used to provide correct and accurate information to emergency responders who may have to respond to an emergency at your location. It is used for planning and training of personnel for hazardous substances emergency response. It also gives a clear picture of what hazardous substances are present in Oregon and which ones are not.

The mailing of this second survey represents the commitment of this office and Moore Business Forms to provide and collect accurate and correct information. The pre-printed information is now complete and alphabetized for your convenience. We appreciate the work you have already put into the survey.

Please complete this survey as accurately as you can and return it as soon as possible. The Hazardous Substance Possession Fee which you may be subject to will be based on the information you submit. It is particularly important that the name of the hazardous substance and the Maximum Quantity Range be correct. Although you now have until May 1, it is appreciated if you would return the survey as soon as possible.

If you have any questions or would like assistance, you may call our hotline (503) 378-6835.

Sincerely,

Dennis Walthall, Program Manager  
Bureau of Hazardous Materials

DFW:kah\2Surv91

---

3000 Market Street Plaza  
Suite 534  
Salem, OR 97310-0198

Koppers012127

RECEIVED

APR 1 1991

KOPPERS INDS., INC.  
PORTLAND, OR

TO COMPLETE, ADD OR MAKE CORRECTIONS: PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE COLORED AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA WHICH MAY APPEAR IN SECTIONS A, B AND D.

**SECTION A** HAZARDOUS SUBSTANCE PRESENCE (Enter the appropriate number, either 1, 2 or 3 in the box to the left)

☐

1. No hazardous substances are used at this site in any way. Type the number 1 in the box to the left. Complete Sections B and C.
2. Hazardous substances are used at this site by our company, but do not meet reporting requirements. Type number 2 in the box to the left. Complete Sections B and C.
3. Hazardous substances are used at this site by our business in reportable quantities. Type number 3 in the box to the left. Complete all parts of this form, Sections B, C and D.

**SECTION B** DEMOGRAPHIC DATA (Please complete, correct or add the following information to the colored areas if it is not preprinted. See instructions on page 5 and 6 for guidance).

1. SIC CODE(S) Enter all that apply to business SIC 1 **2865** SIC 2 **0000** SIC 3 **0000**

2. TYPE OF BUSINESS

3. DATE SURVEY COMPLETED **4-18-91** 4. DUN & BRADSTREET No.: **02-773-4359**

5. EMPLOYER NAME: **JOHN OXFORD**

6. BUSINESS NAME: **KOPPERS INDUSTRIES INC** DEPT. or DIV. **TAR**

7. SITE ADDRESS: **7540 NW ST HELENS RD** 8. MAILING ADDRESS: **7540 NW ST HELENS RD**

CITY: **PORTLAND** CITY: **PORTLAND**

COUNTY: **MULTNOMAH** COUNTY: **MULTNOMAH**

STATE: **OR** ZIP CODE: **97210** STATE: **OR** ZIP CODE: **97210**

BUSINESS PHONE: **286-3681(503)** 9. NUMBER OF EMPLOYEES AT THIS SITE: **9**

10. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: **JOHN OXFORD** EMERGENCY CONTACT PHONES: DAY **286-3681(503)** NIGHT **503-737-0737**

11. RESPONSIBLE FIRE DEPARTMENT **City of Portland Station 22**

12. SPECIAL EMERGENCY PROCEDURES (See instructions, page 3. Use additional pages as necessary.)  
**NONE**

13. ARE STORAGE AREAS OR OTHER AREAS PLACARDED ACCORDING TO FEDERAL REGULATIONS? **NO** *To Be completed by 5-30-91*

**SECTION C** PERSONAL INFORMATION

THE ABOVE DATA IS CORRECT AS SHOWN CORRECTIONS ARE MADE

SIGNATURE

PRINT NAME

THE NAME AND SIGNATURE OF THE PERSON RESPONSIBLE FOR COMPLETION OF THIS FORM THIS PERSON WILL BE CONTACTED TO ASSIST WITH ANY CLARIFICATION.

YOU MAY SUPPLEMENT THIS FORM BY PROVIDING ADDITIONAL COPIES OF ALL REPORTS FOR ALL THE ABOVE SITE.

**KOPPERS INDUSTRIES INC  
TAR  
7540 NW ST HELENS RD  
PORTLAND OR 97210**

PRO000458

COMPANY INFO

Koppers012129

THIS SHEET MUST BE SIGNED AND RETURNED

FORM  
CHEMICALCORRECTED SURVEY 1990 - 1991  
HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

## SECTION D

## SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS

1 - PURE COMMON NAME/TRADE NAME: ACETONE

2 - MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1 - NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - CORRECTIONS MADE	2	2	00	00	00	365	F 1 4	3.1	67641
3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN LAB AT W END OF BLDG

UN/NA NO.

1090

1 - PURE COMMON NAME/TRADE NAME: ACETYLENE

2 - MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1 - NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - CORRECTIONS MADE	3	3	10	10	20		L 2 4	2.1	74862
3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN MAINTENANCE SHOP IN REAR OF BLDG. 1 CYLINDER ON PORTABLE CART IN FRONT OF SHOP INSIDE

UN/NA NO.

1001

1 - PURE COMMON NAME/TRADE NAME: COAL TAR PITCH

2 - MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1 - NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - CORRECTIONS MADE	1	1	50	53	52	365	R 1 4	4.5	6599693-2
3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) PITCH STORAGE BLDG

UN/NA NO.

0000

2 - PURE COMMON NAME/TRADE NAME: CREOSOTE

2 - MIXTURE CHEMICAL NAME OF HYDRO CARBONS  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1 - NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - CORRECTIONS MADE	2	2	10	10	20	365	D 1 4 F 1 4	4.5 6.1	8001589
3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) LAB IN REAR SAMPLE ROOM, IN WAREHOUSE IN REAR

UN/NA NO.

9188

FORM  
CHEMICAL

1990 - 1991  
HAZARDOUS SUBSTANCE EMPLOYER SURVEY  
OREGON STATE FIRE MARSHAL

SECTION D

SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS.

1 - PURE COMMON NAME/TRADE NAME: DIESEL #2  
2 - MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	00	10	11	365	D 1 4	3.3	

STORAGE LOCATIONS (BE SPECIFIC) IN STEEL DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE

UN/NA NO. 1993

1 - PURE COMMON NAME/TRADE NAME: REFINED TAR  
2 - MIXTURE CHEMICAL NAME OF HYDRO CARBONS HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	30	31	31	365	Q 1 5	4.2	65996932

STORAGE LOCATIONS (BE SPECIFIC) RAIL TRACK #5 BY PITCH STORAGE BUILDING

UN/NA NO. 0000

1 - PURE COMMON NAME/TRADE NAME: GASOLINE  
2 - MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	00	00	10	365	N 1 4	3.1	8006619

STORAGE LOCATIONS (BE SPECIFIC) IN OIL STORAGE ROOM IN WAREHOUSE SE END OF BLDG

UN/NA NO. 1203

1 - PURE COMMON NAME/TRADE NAME: HELIUM  
2 - MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
3	3	10	10	10	365	L 2 4	2.2	7440597

STORAGE LOCATIONS (BE SPECIFIC) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE

UN/NA NO. 1046

FORM  
CHEMICAL

**CORRECTED SURVEY 1990 - 1991**  
**HAZARDOUS SUBSTANCE EMPLOYER SURVEY**  
OREGON STATE FIRE MARSHAL  
**SUBSTANCE INFORMATION**

**SECTION D**

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS.

1 - PURE ☒ COMMON NAME/TRADE NAME: **HYDROGEN**

2 - MIXTURE ☐ CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: \_\_\_\_\_

1 - NO CHANGE ☐  
2 - CORRECTIONS MADE ☒  
3 - NO LONGER USED ☐

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
3	3	10	10	20	365	L 2 4	2.1	1333740

STORAGE LOCATIONS (BE SPECIFIC) **CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY**  
**BLDG OUTSIDE**

UN/NA NO. 1049

1 - PURE ☐ COMMON NAME/TRADE NAME: **METHYL NAPHTHALENE FRACTION**

2 - MIXTURE ☒ CHEMICAL NAME OF **METHYL NAPHTHALENE**  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: \_\_\_\_\_

1 - NO CHANGE ☐  
2 - CORRECTIONS MADE ☒  
3 - NO LONGER USED ☐

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	30	30	30	365	A 1 4 Q 1 4	4.5 6.3	1321944

STORAGE LOCATIONS (BE SPECIFIC) **IN TANK FARM #3 TANK, IN RAIL CAR ON TRACK #3**  
**SOUTH END OF PLANT**

UN/NA NO. 1137

1 - PURE ☐ COMMON NAME/TRADE NAME: **MOTOR OIL**

2 - MIXTURE ☒ CHEMICAL NAME OF **HYDRO CARBONS**  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: \_\_\_\_\_

1 - NO CHANGE ☐  
2 - CORRECTIONS MADE ☒  
3 - NO LONGER USED ☐

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	00	00	10	365	D 1 4	4.2	7440686

STORAGE LOCATIONS (BE SPECIFIC) **IN OIL STORAGE ROOM IN WARHOUSE SE END OF BLDG**  
**G**

UN/NA NO. 1270

1 - PURE ☐ COMMON NAME/TRADE NAME: **NAPHTHALENE STILL RESIDUE**

2 - MIXTURE ☒ CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: \_\_\_\_\_

1 - NO CHANGE ☐  
2 - CORRECTIONS MADE ☒  
3 - NO LONGER USED ☐

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	30	30	30	365	A 1 5 Q 1 5	4.5 6.3	73665186

STORAGE LOCATIONS (BE SPECIFIC) **IN TANK FARM #99 TANK, IN RAIL CAR ON TRACK #3**  
**3 SOUTH END OF PLANT**

UN/NA NO. 1334

FORM  
CHEMICAL1990 - 1991  
HAZARDOUS SUBSTANCE EMPLOYER SURVEY

OREGON STATE FIRE MARSHAL

## SECTION D

## SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS.

1. PURE COMMON NAME/TRADE NAME: OXYGEN

2. MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1. NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2. CORRECTIONS MADE	3	3	11	20	20	365	L 2 4	5.1 3.2	7782447
3. NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) CYLINDER MOUNTED ON SOUTHSIDE OF LABORATORY BUILDING OUTSIDE, IN MAINTENANCE SHOP IN BAR, 1 CYLINDER ON CART IN FRONT OF SHOP

UN/NA NO.

1072

2. PURE COMMON NAME/TRADE NAME: PERCHLOROETHYLENE

2. MIXTURE CHEMICAL NAME OF TETRACHLOROETHYLENE  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1. NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2. CORRECTIONS MADE	2	2	00	00	00	365	D 1 4	9.0 6.4	127184
3. NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN METAL DRUM OUTSIDE W END OF LAB

UN/NA NO.

1897

1. PURE COMMON NAME/TRADE NAME: PROPANE

2. MIXTURE CHEMICAL NAME OF  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1. NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2. CORRECTIONS MADE	3	2	00	00	11	365	L 2 6	2.1 3.2	74986
3. NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN OIL ROOM IN WAREHOUSE SOUTHEAST END OF BUILDING, IN FORK LIFTS IN FRONT OF WAREHOUSE, ON TRACK #5 LOADING STATION

UN/NA NO.

1075

2. PURE COMMON NAME/TRADE NAME: QUINOLINE REFINED

2. MIXTURE CHEMICAL NAME OF QUINOLINE  
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1. NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2. CORRECTIONS MADE	2	2	00	00	00	365	F 1 4	8.0	91225
3. NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN WHSE JUST INSIDE OF MAIN DOOR ON NE SIDE OF BLDG. ALSO IN LAB NO MORE THAN 5 GAL PRESENT

UN/NA NO.

1760



FORM  
CHEMICALCORRECTED SURVEY 1990 - 1991  
HAZARDOUS SUBSTANCE EMPLOYER SURVEY  
OREGON STATE FIRE MARSHAL

## SECTION D

## SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS.

- 1 - PURE COMMON NAME/TRADE NAME: SODIUM HYDROXIDE  
2 - MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1 - NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - CORRECTIONS MADE	1	1	10	10	11	365	I 1 4	8.0	131032
3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN BOILER ROOM E END

UN/NA NO.

1823

- 2 - PURE COMMON NAME/TRADE NAME: SODIUM SULFITE  
2 - MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1 - NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - CORRECTIONS MADE	1	1	10	10	20	365	I 1 4	9.0	7757837
3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN BOILER ROOM E END

UN/NA NO.

0000

- 2 - PURE COMMON NAME/TRADE NAME: SOLVENT GRADE COAL TAR NAPHTHA  
2 - MIXTURE CHEMICAL NAME OF INDENE HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1 - NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - CORRECTIONS MADE	2	2	30	30	30	365	A 1 4	3.3 6.3	65996794
3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN TANK FARM TANK #34, IN RAIL CAR TRACK #3 S

OUTH END OF PLANT

UN/NA NO.

1136

- 2 - PURE COMMON NAME/TRADE NAME: TAR REFINED  
2 - MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION:

1 - NO CHANGE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - CORRECTIONS MADE	2	2	30	30	30	365	A 1 5 D 1 4	4.2	65996932
3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) TANK #17 IN TANK FARM, IN WAREHOUSE, IN FRONT

JUST INSIDE DOOR

UN/NA NO.

0000



FORM  
CHEMICAL1990 - 1991  
HAZARDOUS SUBSTANCE EMPLOYER SURVEY  
OREGON STATE FIRE MARSHALACCOUNT NUMBER 006202  
PAGE 6 OF 6

## SECTION D

## SUBSTANCE INFORMATION

DO NOT DUPLICATE THESE SHEETS. REQUEST ADDITIONAL COPIES IF NEEDED. TYPE ALL DATA IN SHADED AREAS.

☒ 1 - PURE COMMON NAME/TRADE NAME: **XYLENE**

☒ 2 - MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: \_\_\_\_\_

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	00	00	00	365	A 1 4	3.3	

STORAGE LOCATIONS (BE SPECIFIC) IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB

UN/NA NO. 1307

☒ 1 - PURE COMMON NAME/TRADE NAME: **CREOSOTE**

☒ 2 - MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: **HYDROCARBONS**

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	40	40	50	365	A 1 5 Q 1 5	4.5 6.1	8001589

STORAGE LOCATIONS (BE SPECIFIC) TANK FARM, RAIL TRACK SOUTH END OF PLANT

UN/NA NO. 9188

☐ 1 - PURE COMMON NAME/TRADE NAME: \_\_\_\_\_

☐ 2 - MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: \_\_\_\_\_

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)

STORAGE LOCATIONS (BE SPECIFIC)

UN/NA NO.

☐ 1 - PURE COMMON NAME/TRADE NAME: \_\_\_\_\_

☐ 2 - MIXTURE CHEMICAL NAME OF HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: \_\_\_\_\_

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)

STORAGE LOCATIONS (BE SPECIFIC)

UN/NA NO.

<p>● <b>SENDER:</b> Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.</p> <p>Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.</p> <p>1. <input checked="" type="checkbox"/> Show to whom delivered, date, and addressee's address. <del>2. <input checked="" type="checkbox"/> Registered Mail</del>          (Extra charge) (Extra charge)</p>	
<p>3. Article Addressed to:</p> <p>ATTN: SURVEY INFORMATION SYSTEM OFFICE OF STATE FIRE MARSHAL 4760 PORTLAND ROAD NE SALEM OR 97305-1760</p>	<p>4. Article Number</p> <p>898 477143</p> <p>Type of Service:</p> <p><input checked="" type="checkbox"/> Registered <input type="checkbox"/> Insured  <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD  <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Return Receipt for Merchandise</p> <p>Always obtain signature of addressee or agent and DATE DELIVERED.</p>
<p>5. Signature — Addressee</p> <p>X</p>	<p>8. Addressee's Address (ONLY if requested and fee paid)</p>
<p>6. Signature — Agent</p> <p>X</p>	
<p>7. Date of Delivery</p> <p>FEB 27 1992</p>	
<p>PS Form 3811, Apr. 1989      ★U.S.G.P.O. 1989-238-815      DOMESTIC RETURN RECEIPT</p>	

UNITED STATES POSTAL SERVICE  
OFFICIAL BUSINESS



**SENDER INSTRUCTIONS**

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

FEB 26 1992



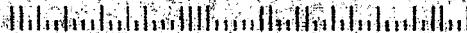
PENALTY FOR PRIVATE  
USE, \$300

RETURN  
TO



Print Sender's name, address, and ZIP Code in the space below.

KOPPERS INDUSTRIES, INC.  
7540 N.W. ST. HELENS RD.  
PORTLAND, OR 97210-3663



*Sent Certified Mail  
2/26/92*

Dear Oregon Survey Responder:

Once more it is time to update the information on Hazardous Substances in Oregon for the 1991 calendar year.

As you know, the survey system provides important information to firefighters and other emergency responders. It enables them to plan effectively for incidents involving hazardous materials. Many agencies can access this information almost instantly through electronic data equipment during an actual emergency.

The survey year just concluded involved some unusual challenges, both for our staff and for the survey responders. We wish to note with appreciation the many surveys returned that were very carefully completed. It is appreciated that you made the extra effort to correctly type and enter the information.

If you are new to the system, please take the time to read the enclosed instruction and definition booklet. It has been written to help you in filling out this survey. If you have any suggestions, please include them when you return the survey.

Enclosed you will find a pre-printed form with the information you submitted last year. Please review, correct, add or delete items to make your report as complete and accurate as possible. Remember that help is available through calling our Survey Hot-Line at (503) 378-6835. Thank you again.

CC:cc \log \survey \cor \91svy\tr

RECEIVED

FEB - 6 1992

KOPPERS INDS., INC.  
PORTLAND, OR



4760 Portland Rd. NE  
Salem, OR 97305-1760  
(503) 378-3473

1991 - 1992  
HAZARDOUS SUBSTANCE EMPLOYER SURVEY  
OREGON STATE FIRE MARSHALAccount Number  
006202

OSFMB130

TO COMPLETE, ADD OR MAKE CORRECTIONS: PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE  
COLORED AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA WHICH MAY APPEAR IN SECTIONS A, B AND D.

## SECTION A

HAZARDOUS SUBSTANCE PRESENCE (Enter the appropriate number, either 1, 2 or 3 in the box to the left)

☐

1. No hazardous substances are used at this site in any way. Type the number 1 in the box to the left. Complete Sections B and C.
2. Hazardous substances are used at this site by our company, but do not meet reporting requirements. Type number 2 in the box to the left. Complete Sections B and C.
3. Hazardous substances are used at this site by our business in reportable quantities. Type number 3 in the box to the left. Complete all parts of this form, Sections B, C, and D.

## SECTION B

DEMOGRAPHIC DATA (Please complete, correct or add the following information to the colored areas if it is not preprinted. See instructions.)

1. SIC CODE(S) Enter all that apply to business SIC 1 **2865** SIC 2 **0000** SIC **0000**
2. TYPE OF BUSINESS: **CYCLIC CRUDES AND INTERMEDIATES**
4. DUN & BRADSTREET No.: **02-773-4359**
5. MANAGER'S NAME: **JOHN OXFORD**
6. BUSINESS NAME: **KOPPERS INDUSTRIES INC** DEPT. or DIV.: **TAR**

7. SITE ADDRESS: **7540 NW ST HELENS RD**CITY: **PORTLAND**COUNTY: **MULTNOMAH**STATE: **OR** ZIP CODE: **97210-0000**BUSINESS PHONE: **503-286-3681**8. MAILING ADDRESS: **7540 NW ST HELENS RD**CITY: **PORTLAND**COUNTY: **MULTNOMAH**STATE: **OR** ZIP CODE: **97210-0000**9. NUMBER OF EMPLOYEES AT THIS SITE: **9**10. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: **JOHN OXFORD**EMERGENCY CONTACT PHONES:  
DAY **503-286-3681** NIGHT **206-576-0521**11. RESPONSIBLE FIRE DEPARTMENT: **PORTLAND FIRE BUREAU**12. SPECIAL EMERGENCY PROCEDURES: (See instructions. Use additional pages as necessary)  
**NONE**13. ARE STORAGE BUILDINGS / TANKS / AREAS PLACARDED ACCORDING TO (NFPA 704)? (YES or NO) **YES**

## SECTION C

PERSON COMPLETING FORM

THE ABOVE DATA IS: CORRECT AS SHOWN

CORRECTIONS ARE MADE

PRINT NAME **JOHN A OXFORD**

SIGNATURE

*John A Oxford***KOPPERS INDUSTRIES INC****7540 NW ST HELENS RD****PORTLAND****OR****97210-0000**3. DATE SURVEY COMPLETED: **2/26/92**THE NAME AND SIGNATURE OF THE PERSON RESPONSIBLE FOR COMPLETION OF THE FORM.  
THIS PERSON WILL BE CONTACTED TO ANSWER ANY QUESTIONS NEEDING CLARIFICATION**PLEASE TYPE ALL ANSWERS**

COMPANY INFO

Koppers012139

FORM  
CHEMICAL

1991 - 1992 OREGON STATE FIRE MARSHAL Account Number

**SECTION D**

**HAZARDOUS SUBSTANCE EMPLOYER SURVEY**  
SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

OSFMB131

COMMON NAME/TRADE NAME: **ACETONE**

HAZARDOUS INGREDIENT: **ACETONE**

IN HIGHEST CONCENTRATION:

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>2</b>	UNIT OF MEASURE USE TABLE II <b>2</b>	AVG. AMT. CODE USE TABLE III <b>00</b>	MAX. AMT. CODE USE TABLE III <b>00</b>	AMT. PER YEAR CODE USE TABLE III <b>00</b>	NUMBER DAYS ON SITE 3 DIGIT NO <b>365</b>	STORAGE CODE (USE TABLE IV & V) <b>F 1 4</b>	HAZARD CLASSES USE TABLE VI <b>3.1 0</b>	CAS NO. (IF KNOWN) <b>0000067-64-1</b>
2	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED			<b>01</b>	<b>01</b>	<b>01</b>				UN/NA NO. <b>1090</b>

STORAGE LOCATIONS (BE SPECIFIC) **IN LAB AT W END OF BLDG**

COMMON NAME/TRADE NAME: **ACETYLENE**

HAZARDOUS INGREDIENT: **ACETYLENE**

IN HIGHEST CONCENTRATION:

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>3</b>	UNIT OF MEASURE USE TABLE II <b>3</b>	AVG. AMT. CODE USE TABLE III <b>10</b>	MAX. AMT. CODE USE TABLE III <b>10</b>	AMT. PER YEAR CODE USE TABLE III <b>20</b>	NUMBER DAYS ON SITE 3 DIGIT NO <b>20</b>	STORAGE CODE (USE TABLE IV & V) <b>L 2 4</b>	HAZARD CLASSES USE TABLE VI <b>2.1 0</b>	CAS NO. (IF KNOWN) <b>0000074-86-2</b>
1	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED									UN/NA NO. <b>1001</b>

STORAGE LOCATIONS (BE SPECIFIC) **IN MAINTENANCE SHOP IN REAR OF BLDG. 1 CYLINDER ON PORTABLE CART IN FRONT OF SHOP INSIDE**

COMMON NAME/TRADE NAME: **COAL TAR PITCH**

HAZARDOUS INGREDIENT: **PYRENE**

IN HIGHEST CONCENTRATION:

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>1</b>	UNIT OF MEASURE USE TABLE II <b>1</b>	AVG. AMT. CODE USE TABLE III <b>50</b>	MAX. AMT. CODE USE TABLE III <b>53</b>	AMT. PER YEAR CODE USE TABLE III <b>52</b>	NUMBER DAYS ON SITE 3 DIGIT NO <b>365</b>	STORAGE CODE (USE TABLE IV & V) <b>R 1 4</b>	HAZARD CLASSES USE TABLE VI <b>3.2 0</b>	CAS NO. (IF KNOWN) <b>0000000-00-0</b>
2	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED					<b>53</b>			<b>4.5</b>	<b>6599693-2</b>
										UN/NA NO. <b>0000</b>

STORAGE LOCATIONS (BE SPECIFIC) **PITCH STORAGE BLDG**

COMMON NAME/TRADE NAME: **CREOSOTE**

HAZARDOUS INGREDIENT: **CREOSOTE**

IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>2</b>	UNIT OF MEASURE USE TABLE II <b>2</b>	AVG. AMT. CODE USE TABLE III <b>10</b>	MAX. AMT. CODE USE TABLE III <b>10</b>	AMT. PER YEAR CODE USE TABLE III <b>20</b>	NUMBER DAYS ON SITE 3 DIGIT NO <b>365</b>	STORAGE CODE (USE TABLE IV & V) <b>D 1 4</b> <b>F 1 4</b>	HAZARD CLASSES USE TABLE VI <b>0.0</b>	CAS NO. (IF KNOWN) <b>8001589</b>
2	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED								<b>4.5 6.5</b>	UN/NA NO. <b>0000</b>

STORAGE LOCATIONS (BE SPECIFIC) **LAB IN REAR SAMPLE ROOM, IN WAREHOUSE IN REAR**

0000  
9188

Koppers012140

**SECTION D****HAZARDOUS SUBSTANCE EMPLOYER SURVEY**  
SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS  
REQUEST ADDITIONAL COPIES IF NEEDED

006202

COMMON NAME/TRADE NAME: **CREOSOTE**  
HAZARDOUS INGREDIENT: **CREOSOTE**  
IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 2	UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 40	MAX. AMT. CODE USE TABLE III 40	AMT. PER YEAR CODE USE TABLE III 50	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 4 Q 1 4	HAZARD CLASSES USE TABLE VI 0.0	CAS NO. (IF KNOWN)
2	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED									8001589

STORAGE LOCATIONS (BE SPECIFIC) **TANK FARM, RAIL TRACK SOUTH  
END OF PLANT**

UN/NA NO.

0000

9188

COMMON NAME/TRADE NAME: **DIESEL #2**  
HAZARDOUS INGREDIENT:  
IN HIGHEST CONCENTRATION:

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 2	UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 00	MAX. AMT. CODE USE TABLE III 10	AMT. PER YEAR CODE USE TABLE III 11	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) D 1 4	HAZARD CLASSES USE TABLE VI 0.0	CAS NO. (IF KNOWN)
2	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED			04				E	3.3	

STORAGE LOCATIONS (BE SPECIFIC) **PLASTIC DRUMS  
IN STEEL DRUMS JUST IN FRONT  
OF WAREHOUSE OUTSIDE**

UN/NA NO.

0000

1993

COMMON NAME/TRADE NAME: **GASOLINE**  
HAZARDOUS INGREDIENT: **TOLUENE**  
IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 2	UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 00	MAX. AMT. CODE USE TABLE III 00	AMT. PER YEAR CODE USE TABLE III 10	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) N 1 4	HAZARD CLASSES USE TABLE VI 3.1 6.3	CAS NO. (IF KNOWN)
2	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED			02	02			N 1 4		8006-61-9

STORAGE LOCATIONS (BE SPECIFIC) **IN OIL STORAGE ROOM IN WAREH  
OUSE SE END OF BLDG**

UN/NA NO.

1203

COMMON NAME/TRADE NAME: **HELIUM**  
HAZARDOUS INGREDIENT: **HELIUM**  
IN HIGHEST CONCENTRATION:

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 3	UNIT OF MEASURE USE TABLE II 3	AVG. AMT. CODE USE TABLE III 10	MAX. AMT. CODE USE TABLE III 10	AMT. PER YEAR CODE USE TABLE III 20	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) L 2 4	HAZARD CLASSES USE TABLE VI 2.2	CAS NO. (IF KNOWN)
1	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED									007440-59-7

STORAGE LOCATIONS (BE SPECIFIC) **CYLINDER MOUNTED ON SOUTH SI  
DE OF LABORATORY BLDG OUTSIDE**

UN/NA NO.

1046

FORM  
CHEMICAL

1991 - 1992 OREGON STATE FIRE MARSHAL

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D

SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

REQUEST ADDITIONAL COPIES IF NEEDED

OSFMB131

COMMON NAME/TRADE NAME: **HYDROGEN**  
HAZARDOUS INGREDIENT: **HYDROGEN**  
IN HIGHEST CONCENTRATION:

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>3</b>	UNIT OF MEASURE USE TABLE II <b>3</b>	AVG. AMT. CODE USE TABLE III <b>10</b>	MAX. AMT. CODE USE TABLE III <b>10</b>	AMT. PER YEAR CODE USE TABLE III <b>20</b>	NUMBER DAYS ON SITE USE TABLE III <b>365</b>	STORAGE CODE USE TABLE IV <b>L 2 4</b>	HAZARD CLASSES USE TABLE V <b>2.1</b>	CAS NO. (IF KNOWN) <b>001333-74-0</b>
1	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE</b>										UN/NA NO. <b>1049</b>

COMMON NAME/TRADE NAME: **METHYL NAPHTHALENE FRACTION**  
HAZARDOUS INGREDIENT: **METHYL NPAHTHALENE**  
IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>2</b>	UNIT OF MEASURE USE TABLE II <b>2</b>	AVG. AMT. CODE USE TABLE III <b>30</b>	MAX. AMT. CODE USE TABLE III <b>30</b>	AMT. PER YEAR CODE USE TABLE III <b>30</b>	NUMBER DAYS ON SITE USE TABLE III <b>365</b>	STORAGE CODE USE TABLE IV <b>A 1 4</b> <b>Q 1 4</b>	HAZARD CLASSES USE TABLE V <b>4.5 6.5</b>	CAS NO. (IF KNOWN) <b>1321944</b>
2	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>IN TANK FARM #3 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT</b>										UN/NA NO. <b>1137</b>

COMMON NAME/TRADE NAME: **MOTOR OIL**  
HAZARDOUS INGREDIENT: **PETROLEUM HYDROCARBON**  
IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>2</b>	UNIT OF MEASURE USE TABLE II <b>2</b>	AVG. AMT. CODE USE TABLE III <b>00</b>	MAX. AMT. CODE USE TABLE III <b>00</b>	AMT. PER YEAR CODE USE TABLE III <b>10</b>	NUMBER DAYS ON SITE USE TABLE III <b>365</b>	STORAGE CODE USE TABLE IV <b>D 1 4</b>	HAZARD CLASSES USE TABLE V <b>0.0</b>	CAS NO. (IF KNOWN)
2	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED			<b>0.4</b>	<b>0.4</b>				<b>4.2</b>	<b>7440666</b>
STORAGE LOCATIONS (BE SPECIFIC) <b>IN OIL STORAGE ROOM IN WARHO USE SE END OF BLDG</b>										UN/NA NO. <b>0000</b> <b>1270</b>

COMMON NAME/TRADE NAME: **NAPHTHALENE STILL RESIDUE**  
HAZARDOUS INGREDIENT: **NAPHTHALENE**  
IN HIGHEST CONCENTRATION:

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>2</b>	UNIT OF MEASURE USE TABLE II <b>2</b>	AVG. AMT. CODE USE TABLE III <b>30</b>	MAX. AMT. CODE USE TABLE III <b>30</b>	AMT. PER YEAR CODE USE TABLE III <b>30</b>	NUMBER DAYS ON SITE USE TABLE III <b>365</b>	STORAGE CODE USE TABLE IV <b>Q 1 5</b> <b>Q 1 5</b>	HAZARD CLASSES USE TABLE V <b>4.5</b>	CAS NO. (IF KNOWN) <b>000091-20-3</b>
2	1 - NO CHANGE 2 - CORRECTIONS MADE 3 - NO LONGER USED							<b>A</b>	<b>6.3</b>	<b>73665-18-6</b>
STORAGE LOCATIONS (BE SPECIFIC) <b>IN TANK FARM #99 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT</b>										UN/NA NO. <b>1334</b>

Koppers012142



FORM  
CHEMICAL

1991 - 1992 OREGON STATE FIRE MARSHAL Account Number

**SECTION D**

**HAZARDOUS SUBSTANCE EMPLOYER SURVEY**  
**SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS**

006202

OSFMB131

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME: **OXYGEN**  
HAZARDOUS INGREDIENT: **OXYGEN**  
IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	3	11	20	20	365	L 2 4	2.2 5.1	007782-44-7
1	1 - NO CHANGE									
	2 - CORRECTIONS MADE									
	3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>CYLINDER MOUNTED ON SOUTHSIDE OF LABORATORY BUILDING OUTSIDE, IN MAINTENANCE SHOP IN REAR, 1 CYLINDER ON CART IN FRONT OF SHOP</b>										UN/NA NO. <b>1072</b>

COMMON NAME/TRADE NAME: **PERCHLOROETHYLENE**  
HAZARDOUS INGREDIENT:  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	00	00	00	365	D 1 4	0.0	
2	1 - NO CHANGE									
	2 - CORRECTIONS MADE			03	03	03			9.0 6.4	127184
	3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>IN METAL DRUM OUTSIDE W END OF LAB</b>										UN/NA NO. <b>0000</b> <b>1897</b>

COMMON NAME/TRADE NAME: **PROPANE**  
HAZARDOUS INGREDIENT: **PROPANE**  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	3	00	00	11	365	L 2 6	2.1 6.3	000074-98-6
2	1 - NO CHANGE									
	2 - CORRECTIONS MADE			04	04	10				
	3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>IN OIL ROOM IN WAREHOUSE SOUTHEAST END OF BUILDING, IN FORK LIFTS IN FRONT OF WAREHOUSE, ON TRACK #5 LOADING STATION</b>										UN/NA NO. <b>1075</b>

COMMON NAME/TRADE NAME: **QUINOLINE REFINED**  
HAZARDOUS INGREDIENT:  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	00	00	00	365	F 1 4		
2	1 - NO CHANGE									
	2 - CORRECTIONS MADE			02	02	02			8.0	91225
	3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>IN WHSE JUST INSIDE OF MAIN DOOR ON NE SIDE OF BLDG. ALSO IN LAB NO MORE THAN 5 GAL PRESENT</b>										UN/NA NO.

1760

Koppers012143

FORM  
CHEMICAL

1991 - 1992 OREGON STATE FIRE MARSHAL

Account Number

**SECTION D**

OSFMB131

**HAZARDOUS SUBSTANCE EMPLOYER SURVEY**  
SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS  
REQUEST ADDITIONAL COPIES IF NEEDED

006202

COMMON NAME/TRADE NAME: **REFINED TAR**  
HAZARDOUS INGREDIENT: **HYDROCARBONS**  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	30	31	31	365	Q 1 5	4.2	006599-69-3
2	1 - NO CHANGE									
	2 - CORRECTIONS MADE					40			4.5	65996-9-32
	3 - NO LONGER USED							A 1 5		UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC) **RAIL TRACK #5 BY PITCH STORAGE BUILDING, IN TANK #23 LOWER TANK FARM**

COMMON NAME/TRADE NAME: **SODIUM HYDROXIDE**  
HAZARDOUS INGREDIENT: **SODIUM HYDROXIDE**  
IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	1	1	10	10	11	365	I 1 4	8.0 0	0001310-73-2
1	1 - NO CHANGE									
	2 - CORRECTIONS MADE									
	3 - NO LONGER USED									UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC) **IN BOILER ROOM E END**

1823

COMMON NAME/TRADE NAME: **SODIUM SULFITE**  
HAZARDOUS INGREDIENT:  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	1	1	10	10	20	365	I 1 4	9.0 0	0007757-83-7
2	1 - NO CHANGE									
	2 - CORRECTIONS MADE					11			5.1 9.0	
	3 - NO LONGER USED									UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC) **IN BOILER ROOM E END**

0000

COMMON NAME/TRADE NAME: **SOLVENT GRADE COAL TAR NAPHTHA**  
HAZARDOUS INGREDIENT:  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	30	30	30	365	A 1 4		
2	1 - NO CHANGE									
	2 - CORRECTIONS MADE								3.3 6.3	65996794
	3 - NO LONGER USED									UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC) **IN TANK FARM TANK #34, IN RAIL CAR TRACK #3 SOUTH END OF PLANT**

1136

Koppers012144

FORM  
CHEMICAL

1991 - 1992 OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D

SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

REQUEST ADDITIONAL COPIES IF NEEDED

006202

OSFMB131

COMMON NAME/TRADE NAME: TAR REFINED

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	30	30	30	365	A 1 5 D 1 4	4.5 0	0065996-93-2
2	1 - NO CHANGE									
	2 - CORRECTIONS MADE			20	20	21		D 1 5		65996-9-32
	3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) TANK-#17-IN-TANK-FARM, IN WA

REHOUSE, IN FRONT JUST INSIDE DOOR

UN/NA NO.

0000

COMMON NAME/TRADE NAME: XYLENE

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	00	00	00	365	A 1 4	0.0	
2	1 - NO CHANGE									
	2 - CORRECTIONS MADE			02	03	03		D 1 4	3.2	
	3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN METAL DRUM OUTSIDE W END

OF LAB ALSO IN PLASTIC BOTTLE IN LAB

UN/NA NO.

0000

1307

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE									
	1 - NO CHANGE									
	2 - CORRECTIONS MADE									
	3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC)

UN/NA NO.

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE									
	1 - NO CHANGE									
	2 - CORRECTIONS MADE									
	3 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC)

UN/NA NO.

Koppers012145

**FORM  
CHEMICAL**

1991 - 1992 OREGON STATE FIRE MARSHAL

Account Number

**SECTION D**

**HAZARDOUS SUBSTANCE EMPLOYER SURVEY**

**SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS**

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG AMT CODE USE TABLE III	MAX AMT CODE USE TABLE III	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - NO CHANGE <input type="checkbox"/> 2 - CORRECTIONS MADE <input type="checkbox"/> 3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC)									UN/NA NO.

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG AMT CODE USE TABLE III	MAX AMT CODE USE TABLE III	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - NO CHANGE <input type="checkbox"/> 2 - CORRECTIONS MADE <input type="checkbox"/> 3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC)									UN/NA NO.

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG AMT CODE USE TABLE III	MAX AMT CODE USE TABLE III	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - NO CHANGE <input type="checkbox"/> 2 - CORRECTIONS MADE <input type="checkbox"/> 3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC)									UN/NA NO.

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG AMT CODE USE TABLE III	MAX AMT CODE USE TABLE III	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - NO CHANGE <input type="checkbox"/> 2 - CORRECTIONS MADE <input type="checkbox"/> 3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC)									UN/NA NO.

**FORM  
CHEMICAL**

1991 - 1992 OREGON STATE FIRE MARSHAL Account Number

**HAZARDOUS SUBSTANCE EMPLOYER SURVEY**

**SECTION D**

**SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS**

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input type="checkbox"/>	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG AMT CODE USE TABLE III	MAX AMT CODE USE TABLE III	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE									
<input type="checkbox"/>	1 - NO CHANGE									
	2 - CORRECTIONS MADE									
	3 - NO LONGER USED									UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC)

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input type="checkbox"/>	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG AMT CODE USE TABLE III	MAX AMT CODE USE TABLE III	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE									
<input type="checkbox"/>	1 - NO CHANGE									
	2 - CORRECTIONS MADE									
	3 - NO LONGER USED									UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC)

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input type="checkbox"/>	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG AMT CODE USE TABLE III	MAX AMT CODE USE TABLE III	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE									
<input type="checkbox"/>	1 - NO CHANGE									
	2 - CORRECTIONS MADE									
	3 - NO LONGER USED									UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC)

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input type="checkbox"/>	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG AMT CODE USE TABLE III	MAX AMT CODE USE TABLE III	AMT PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE									
<input type="checkbox"/>	1 - NO CHANGE									
	2 - CORRECTIONS MADE									
	3 - NO LONGER USED									UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC)

FORM  
CHEMICAL

SECTION 10

OSFMB131

006202

COMMON NAME/TRADE NAME: **ACETONE**  
HAZARDOUS INGREDIENT: **ACETONE**  
IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	VOLUME	WEIGHT	CONCENTRATION	HAZARD	UN/NA NO.
1	2 - MIXTURE	USE TABLE	USE TABLE	USE TABLE	USE TABLE	USE TABLE	F 1 4	3.1 0 0000067-64-1
2	1 - NO CHANGE	2	2	00	00	00		
2	2 - CORRECTIONS MADE			0.1	0.1	0.1		
2	3 - NO LONGER USED							

STORAGE LOCATIONS (BE SPECIFIC) **IN LAB AT W END OF BLDG**

1090

COMMON NAME/TRADE NAME: **ACETYLENE**  
HAZARDOUS INGREDIENT: **ACETYLENE**  
IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	VOLUME	WEIGHT	CONCENTRATION	HAZARD	UN/NA NO.
1	2 - MIXTURE	USE TABLE	USE TABLE	USE TABLE	USE TABLE	USE TABLE	L 2 4	2.1 0 0000074-86-2
1	1 - NO CHANGE	3	3	10	10	20		
1	2 - CORRECTIONS MADE							
1	3 - NO LONGER USED							

STORAGE LOCATIONS (BE SPECIFIC) **IN MAINTENANCE SHOP IN REAR OF BLDG. 1 CYLINDER ON PORTABLE CART IN FRONT OF SHOP INSIDE**

1001

COMMON NAME/TRADE NAME: **COAL TAR PITCH**  
HAZARDOUS INGREDIENT: **PYRENE**  
IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	VOLUME	WEIGHT	CONCENTRATION	HAZARD	UN/NA NO.
1	2 - MIXTURE	USE TABLE	USE TABLE	USE TABLE	USE TABLE	USE TABLE	R 1 4	3.2 0 0000000-00-0
2	1 - NO CHANGE	1	1	50	53	52		
2	2 - CORRECTIONS MADE					53		4.5 65-99693-2
2	3 - NO LONGER USED							

STORAGE LOCATIONS (BE SPECIFIC) **PITCH STORAGE BLDG**

0000

COMMON NAME/TRADE NAME: **CREOSOTE**  
HAZARDOUS INGREDIENT: **CREOSOTE**  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	VOLUME	WEIGHT	CONCENTRATION	HAZARD	UN/NA NO.
2	2 - MIXTURE	USE TABLE	USE TABLE	USE TABLE	USE TABLE	USE TABLE	D 1 4	0.0 80015-89
2	1 - NO CHANGE	2	2	10	10	20		
2	2 - CORRECTIONS MADE							4.5 6.5
2	3 - NO LONGER USED							

STORAGE LOCATIONS (BE SPECIFIC) **LAB IN REAR SAMPLE ROOM, IN WAREHOUSE IN REAR**

UN/NA NO.

9/88  
0000

OSFMB131

HAZARD OF DISTANCE IMPLO. REACTIVE  
SUBSTANCE (GHS) - HIGHLY FLAMMABLE LIQ.  
UNCLASIFIED

006202

COMMON NAME/TRADE NAME: **CREOSOTE**  
HAZARDOUS INGREDIENT: **CREOSOTE**  
IN HIGHEST CONCENTRATION:

[illegible]

STORAGE LOCATIONS (BE SPECIFIC) **TANK FARM, RAIL TRACK SOUTH**

**END OF PLANT**

0000

9184

COMMON NAME/TRADE NAME: **DIESEL #2**  
HAZARDOUS INGREDIENT:  
IN HIGHEST CONCENTRATION:

1											D	1	4		
	2	2	00	10	11	365					0.0				
2											E		3.3		

STORAGE LOCATIONS (BE SPECIFIC) ~~IN STEEL DRUMS~~ JUST IN FRONT  
OF WAREHOUSE, OUTSIDE

0000

1995

COMMON NAME/TRADE NAME: **GASOLINE**  
HAZARDOUS INGREDIENT: **TOLUENE**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	A.G. UNIT PRICE	QUANTITY	UNIT COST (\$/LBS)	TOTAL COST (\$)	HAZARD CLASSIFICATION	OWNERS ID
	USE TABLE 1	USE TABLE 1	USE TABLE 1	USE TABLE 1	USE TABLE 1	USE TABLE 1	N 1 4	80066729
1-PURE								
2-MIXTURE	2	2	00	00	10	365	3.1 6.3	0000108-88-3
3-NO CHANGE								
4-CORRECTIONS MADE			02	02				
5-MALFUNCTION								

STORAGE LOCATIONS (BE SPECIFIC) IN OIL STORAGE ROOM IN WAREHOUSE SE END OF BLDG

**1203**

COMMON NAME/TRADE NAME: **HELIUM**  
HAZARDOUS INGREDIENT: **HELIUM**  
IN HIGHEST CONCENTRATION:

[illegible]

STORAGE LOCATIONS ARE SPECIFIC CYLINDER MOUNTED ON SOUTH SIDE  
SIDE OF LABORATORY BLDG OUTSIDE

UN/NA NO.

1046



FORM  
CHEMICAL

SECTION 1

OSFMB131

SUBSTANCE NAME

006202

COMMON NAME/TRADE NAME: **HYDROGEN**  
HAZARDOUS INGREDIENT: **HYDROGEN**  
IN HIGHEST CONCENTRATION:

1- PURE	2- MIXTURE	3	3	10	10	20	365	L	2	4	2.1	001333-74-0
1- NO CHANGE	2- CORRECTIONS MADE											
3- NO LONGER USED												

STORAGE LOCATION(S) BE SPECIFIC: **CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE**

1049

COMMON NAME/TRADE NAME: **METHYL NAPHTHALENE FRACTION**  
HAZARDOUS INGREDIENT: **METHYL NPAHTHALENE**  
IN HIGHEST CONCENTRATION:

2	2	2	30	30	30	365	A	1	4	Q	1	4	4.5	6.5	1321944
1- NO CHANGE	2- CORRECTIONS MADE														
3- NO LONGER USED															

STORAGE LOCATION(S) BE SPECIFIC: **IN TANK FARM #3 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT**

1137

COMMON NAME/TRADE NAME: **MOTOR OIL**  
HAZARDOUS INGREDIENT: **PETROLEUM HYDROCARBON**  
IN HIGHEST CONCENTRATION:

2	2	2	00	00	10	365	D	1	4	0.0	4.2	744066
1- NO CHANGE	2- CORRECTIONS MADE											
3- NO LONGER USED												

STORAGE LOCATION(S) BE SPECIFIC: **IN OIL STORAGE ROOM IN WARHOUSE SE END OF BLDG**

0000

COMMON NAME/TRADE NAME: **NAPHTHALENE STILL RESIDUE**  
HAZARDOUS INGREDIENT: **NAPHTHALENE**  
IN HIGHEST CONCENTRATION:

1	2	2	30	30	30	365	Q	1	5	Q	1	5	4.5	000091-20-3
1- NO CHANGE	2- CORRECTIONS MADE													
3- NO LONGER USED														

STORAGE LOCATION(S) BE SPECIFIC: **IN TANK FARM #99 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT**

UN/NA NO.

1334



OSFMB131

006202

COMMON NAME/TRADE NAME: OXYGEN  
HAZARDOUS INGREDIENT: OXYGEN  
IN HIGHEST CONCENTRATION:

[illegible]

STORAGE LOCATIONS (BE SPECIFIC) CYLINDER MOUNTED ON SOUTHSIDE  
E OF LABORATORY BUILDING OUTSIDE, IN MAINTENANCE  
SHOP IN REAR, 1 CYLINDER ON CART IN FRONT OF SHOP

1072

COMMON NAME/TRADE NAME: **PERCHLOROETHYLENE**  
HAZARDOUS INGREDIENT:  
IN HIGHEST CONCENTRATION:

2	2	00	00	00	365	D	1	4	0.0
2		03	03	03					9.0 6.4 127184

STORAGE LOCATIONS (BE SPECIFIC) IN METAL DRUM OUTSIDE W END  
OF LAB

0000

1897

COMMON NAME/TRADE NAME: PROPANE  
HAZARDOUS INGREDIENT: PROPANE  
IN HIGHEST CONCENTRATION: 100%

[illegible]

STORAGE LOCATIONS (BE SPECIFIC): IN OIL ROOM IN WAREHOUSE SOUTH  
EAST END OF BUILDING, IN FORK LIFTS IN FRONT  
OF WAREHOUSE, ON TRACK #5 LOADING STATION

1075

COMMON NAME/TRADE NAME: QUINOLINE REFINED  
HAZARDOUS INGREDIENT:  
IN HIGHEST CONCENTRATION:

[illegible]

STORAGE LOCATIONS IDENTIFIED IN WHSE JUST INSIDE OF MAIN  
DOOR ON NE SIDE OF BLDG. ALSO IN LAB NO MORE  
THAN 5 GAL PRESENT

UN/NA NO.

1760

FORM  
CHEMICAL

SECTION 10

OSFMB131

006202

COMMON NAME/TRADE NAME: **REFINED TAR**  
HAZARDOUS INGREDIENT: **HYDROCARBONS**  
IN HIGHEST CONCENTRATION:

2	1-PURE 2-MIXTURE	1	1	5	Q	1	5	4.2	006599-69-3
2	1-NO CHANGE 2-CORRECTIONS MADE 3-NO LONGER USED	2	2	30	31	31	365	4.5	65996934

STORAGE LOCATIONS (BE SPECIFIC): **RAIL TRACK #5 BY PITCH STORAGE BUILDING, In tank 23 Lower Tank farm**

COMMON NAME/TRADE NAME: **SODIUM HYDROXIDE**  
HAZARDOUS INGREDIENT: **SODIUM HYDROXIDE**  
IN HIGHEST CONCENTRATION:

1	1-PURE 2-MIXTURE	1	1	10	10	11	365	8.0 0	0001310-73-2
1	1-NO CHANGE 2-CORRECTIONS MADE 3-NO LONGER USED	1	1	10	10	11	365		

STORAGE LOCATIONS (BE SPECIFIC): **IN BOILER ROOM E END**

1823

COMMON NAME/TRADE NAME: **SODIUM SULFITE**  
HAZARDOUS INGREDIENT:  
IN HIGHEST CONCENTRATION:

2	1-PURE 2-MIXTURE	1	1	10	10	20	365	9.0 0	0007757-83-7
2	1-NO CHANGE 2-CORRECTIONS MADE 3-NO LONGER USED	1	1	10	10	20	365	5.1 9.0	

STORAGE LOCATIONS (BE SPECIFIC): **IN BOILER ROOM E END**

0000

COMMON NAME/TRADE NAME: **SOLVENT GRADE COAL TAR NAPHTHA**  
HAZARDOUS INGREDIENT:  
IN HIGHEST CONCENTRATION:

2	1-PURE 2-MIXTURE	2	2	30	30	30	365	3.3 6.3	65996934
2	1-NO CHANGE 2-CORRECTIONS MADE 3-NO LONGER USED	2	2	30	30	30	365		

STORAGE LOCATIONS (BE SPECIFIC): **IN TANK FARM TANK #34, IN RAIL CAR TRACK #3 SOUTH END OF PLANT**

UN/NA NO.

1136

FORM  
CHEMICAL

1991 - 1992 OREGON STATE FIRE MARSHAL

Account Number

**SECTION D**

**HAZARDOUS SUBSTANCE EMPLOYER SURVEY**  
SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME: **TAR REFINED**

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	30	30	30	365	A 1 5 D 1 4	4.5 0	0065996-93-2
<input type="checkbox"/> 1 - NO CHANGE <input checked="" type="checkbox"/> 2 - CORRECTIONS MADE <input type="checkbox"/> 3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>TANK #17 IN TANK FARM, IN WA REHOUSE, IN FRONT JUST INSIDE DOOR</b>									UN/NA NO.
									0000

COMMON NAME/TRADE NAME: **XYLENE**

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	00	00	00	365	A 1 4	0.0	
<input type="checkbox"/> 1 - NO CHANGE <input checked="" type="checkbox"/> 2 - CORRECTIONS MADE <input type="checkbox"/> 3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB</b>									UN/NA NO.
									0000

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - NO CHANGE <input type="checkbox"/> 2 - CORRECTIONS MADE <input type="checkbox"/> 3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC)									UN/NA NO.

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT:

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - NO CHANGE <input type="checkbox"/> 2 - CORRECTIONS MADE <input type="checkbox"/> 3 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC)									UN/NA NO.



CITY OF

# PORTLAND, OREGON

FIRE PREVENTION DIVISION

RECEIVED

Dick Bogle  
Commissioner of Public Safety  
Lynn C. Davis, Fire Marshal  
55 S.W. Ash Street  
Portland, Oregon 97204-3590  
(503) 823-3700

November 16, 1992

NOV 16 1992

KOPPERS INDS. INC.  
PORTLAND, OR

Dear Portland Employer:

Enclosed you will find a Hazardous Substance Survey. The information requested on this survey is required by local, state and federal law. These laws are commonly known as "Community Right to Know" laws after the name of the federal statute which created them.

**This survey must be completed and returned within 30 days.  
Return all yellow sheets in the envelope enclosed.**

The purpose of the survey and the Community Right to Know laws is to inform emergency responders what hazardous materials are present during an emergency incident. Emergency responders will be better able to serve you and handle any emergency at your facility. This in turn benefits you by reducing property damage and possibly saving lives.


When Congress enacted the Community Right to Know Laws they did not include funding to implement and conduct this survey, disseminate the information, audit the program and train personnel. The Portland City Council has authorized the establishment of fees to pay for these costs. The information you provide in this survey will determine your fee, if any.

Please be careful to fill in correct quantities. The most common mistake is using the wrong RANGE CODE for the maximum quantity on site. Please note liquids are reported in gallons, solids in pounds and gases in cubic feet at normal (room) temperature and pressure. Gases do have an exception if they are in cryogenic or pressurized liquid form. Liquified gases (pressure or cryogenic) are to be reported in gallons.

Please study the guidelines carefully on the following pages.

On behalf of the Fire Bureau, I wish to thank you for your help in this important Hazardous Materials Safety Program. If you have any questions, please call 823-3939.

Sincerely,

  
LYNN C. DAVIS  
Fire Marshal

LCD/sml

Koppers012154

1992 - 1993

# HAZARDOUS SUBSTANCE EMPLOYER SURVEY USE THE TABLES BELOW TO COMPLETE SECTION D

**TABLE 1 - PHYSICAL STATE**

1=Solid  
2=Liquid  
3=Gas

**TABLE 2 - UNIT OF MEASURE**

1=Pounds  
2=Gallons  
3=Cubic Feet  
4=Millicuries

**TABLE 3 - REPORTABLE RANGES**

RANGE	FROM...	TO...
(Code)		
00	0	4
01	05	9
02	10	19
03	20	54
04	55	199
10	200	499
11	500	999
20	1,000	4,999
21	5,000	9,999
30	10,000	49,999
31	50,000	99,000
40	100,000	249,000

**TABLE 4 - STORAGE CODES**

(Code) Type of Storage

A= Aboveground Tank  
B= Underground Tank  
C= Tank Inside Building  
D= Steel Drum  
E= Plastic or Non-Metallic Drum  
F= Can  
G= Carboy  
H= Silo  
I= Fiber Drum  
J= Bag  
K= Box  
L= Cylinder  
M= Glass Bottles or Jugs  
N= Plastic Bottles or Jugs  
O= Totobin  
P= Tank Wagon  
Q= Railcar  
R= Other

**TABLE 5 - PRESSURE AND TEMPERATURE CONDITIONS**

**(PRESSURE CONDITION)**

1 Normal pressure (Normal Pressure)  
2 Greater than normal pressure  
3 Less than normal pressure

**(TEMPERATURE CONDITION)**

4 Normal temperature (Normal Temperature)  
5 Greater than normal temperature  
6 Less than normal temperature, but not cryogenic  
7 Cryogenic conditions

**TABLE 6 - HAZARD CLASSIFICATION CODES**

(1.1) Class A Explosives  
(1.2) Class B Explosives  
(1.3) Class C Explosives  
(1.4) Blasting Agents  
(1.5) Insensitive Explosives  
(2.1) Flammable Gases  
(2.2) Nonflammable Gases  
(2.3) Poison Gases  
(3.1) Flammable Liq. (FP < 0°F)  
(3.2) Flammable Liq. (> 0°F FP < 73°F)  
(3.3) Flammable Liq. (> 73°F FP < 141°F)  
(4.1) Flammable Solids  
(4.2) Spontaneously Combustible Material  
(4.3) Dangerous When Wet  
(4.4) Reactive Material  
(4.5) Combustible Material  
(5.1) Oxidizers  
(5.2) Organic Peroxides  
(6.1) Poisonous Materials  
(6.2) Etiologic Materials  
(6.3) Acute Health Hazard  
(6.4) Chronic Health Haz.  
(7.3) Radioactive Material  
(8.0) Corrosives  
(9.0) Misc. Haz. Materials

**TABLE 7 - CONVERSION TABLE**

To Convert	lbs. to gals.	cu.ft. to gals.	To Convert	lbs. to gals.	cu.ft. to gals.
Ammonia	+ by 5.14	+ by 106.54	Liq. Nitrogen	+ by 6.75	+ by 93.11
Argon	11.63	112.46	Liq. Oxygen	9.52	115.00
Carbon Dioxide	8.46	74.00	Propane	4.22	36.40
* Freon	9.00	37.00	Nitrous Oxide	6.45	56.11

\* = AVERAGED CONVERSION FACTOR

## EXAMPLE

CHEMICAL NAME/TRADE NAME: CARBON DIOXIDE

PHYSICAL STATE	UNIT OF MEASURE	AVG QTY ON SITE	MAX QTY ON SITE	NUMBER DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	U.N. NUMBER (If Known)	N.F.P.A. 704 Designation
USE TABLE 1	USE TABLE 2	USE TABLE 3	USE TABLE 3	3 DIGIT NO.	USE TABLES 4 & 5	USE TABLE 6		H F R S
2	2	03	04	159	L 2 4	2 2	1013	2 0 0 0

STORAGE LOCATION (BE SPECIFIC): CARBON DIOXIDE IS STORED IN THE NORTHEAST CORNER OF THE BUILDING BETWEEN AISLES 18 & 19

## EXAMPLE: CARBON DIOXIDE

Table 1 is the Physical State (2 = Liquid). Table 2 is the Unit of Measure (2 = Gallons). Table 3 \* is the Reportable Range, Average & Maximum Quantity on Site. The number of days on site per year, in this case 159, is entered next. Table 4 is the Storage Code (L = Cylinder). Table 5 is the Pressure and Temperature Conditions (2) = Greater than normal pressure, and (4) = Room temperature. Table 6 is Hazard Classification (2.2) = Non-flammable Gases. The United Nations (U.N.) number is 1013. The actual, physical location of the product must be listed in the Storage Location field.

\* This example lists (03) 20-54 and (04) 55-199; To convert lbs. or cubic feet to Gallons, use Table 7, [450 lbs. + by 8.46 = 53.19 gals.] Range Code 03; or [4,070 cubic feet + by 74.00 = 55 gals.] Range Code 04.

# HAZARDOUS SUBSTANCE SURVEY PLAN

BUREAU OF FIRE, RESCUE & EMERGENCY SERVICES

HAZARDOUS MATERIALS SECTION

P.O. BOX 14608

PORTLAND, OR 97214

## SECTION A

THIS FORM MUST BE SIGNED AND RETURNED WITHIN 30 DAYS

0. X This Company / Business has already completed the State Fire Marshal's HAZARDOUS SURVEY and has been assigned State Fire Marshal account / file # 006202.  
(Complete Section A and C Only)
1. \_\_\_\_\_ No hazardous materials are used at this site in any way. (Complete Section A and C Only)
2. \_\_\_\_\_ Hazardous materials are used at this site by our company, but do not meet minimum reporting requirements. (Complete Sections A, B and C)
3. \_\_\_\_\_ Hazardous materials are used at this site by our business in reportable quantities.  
(Complete Sections A, B, C, and D)

## SECTION B

1. SIC Code that applies to business : \_\_\_\_\_
2. Business Name: \_\_\_\_\_
3. Describe Business: \_\_\_\_\_
4. Site Address: \_\_\_\_\_ City \_\_\_\_\_ St \_\_\_\_\_ Zip \_\_\_\_\_
5. Mailing Address  
(if different): \_\_\_\_\_ City \_\_\_\_\_ St \_\_\_\_\_ Zip \_\_\_\_\_
6. Telephone Numbers: ( ) \_\_\_\_\_ ( ) \_\_\_\_\_
7. Fax #: ( ) \_\_\_\_\_
8. Building Name: \_\_\_\_\_
9. Emergency Contacts: Name \_\_\_\_\_ Phone or Pager # ? \_\_\_\_\_  
After Hours: Name \_\_\_\_\_ Phone or Pager # ? \_\_\_\_\_
10. Special emergency arrangements with outside agencies: ( i.e. local emergency medical assistance, environmental clean up agencies, etc.)  
Yes \_\_\_\_\_ (List Agencies Below) No \_\_\_\_\_
- Agency Name: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_
- Contact Person: \_\_\_\_\_



SECTION C

THIS FORM MUST BE SIGNED AND RETURNED WITHIN 30 DAYS TO:

BUREAU OF FIRE, RESCUE & EMERGENCY SERVICES  
P.O. BOX 14608  
PORTLAND, OR 97214

I certify under penalty of perjury that the information contained in this survey is complete and accurate, to the best of my knowledge and that any amendments or revisions to it will be submitted within 15 days, and that I am authorized to make this certification on behalf of the below named business.

Business Name KOPPERS INDUSTRIES INC

Address 7540 NW ST HELENS RD City PORTLAND St OR Zip 97210

Signature *John A. Oxford*

(Type or Print Name) JOHN A. OXFORD

Title PLANT MANAGER Date: 11-18-92

*Mailed  
11-18-92*

YOU MAY DUPLICATE THIS FORM FOR ADDITIONAL SITES  
PLEASE RETURN ALL YELLOW SHEETS IN ENVELOPE ENCLOSED  
PLEASE MAKE A COPY OF THIS SURVEY FOR YOUR RECORDS

**FROM:** KOPPERS INDUSTRIES INC  
7540 NW ST HELENS RD  
PORTLAND OR 97210

place  
stamp  
Here

**Portland Bureau of Fire, Rescue & Emergency Services  
Hazardous Substance Section  
P.O. Box 14608  
Portland, OR 97214**



# Oregon

RECEIVED

JAN 15 1993

KOPPERS INDS., INC.  
PORTLAND, OR

OFFICE OF  
STATE FIRE  
MARSHAL

*Completed  
and Mailed  
2-12-93*

Dear Oregon Survey Responder:

Once more it is time to update your firm's information on Hazardous Substances. This is for the 1992 calendar year.

As you know, the survey system provides important information to Emergency Managers and other emergency responders. It enables them to effectively plan and respond to incidents involving hazardous materials. Many agencies can access this information almost instantly through electronic data equipment during an actual emergency.

The survey year just concluded involved some unusual challenges, both for our staff and for survey responders. We wish to note with appreciation the many surveys returned on time that were very carefully completed. We appreciate the extra effort you took to correctly type and enter the information.

If you are new to the system, please take the time to read the enclosed instruction and definition booklet. It has been written to help you in filling out this survey. If you have any suggestions, please include them when you return the survey.

Remember that help is available through calling our Survey Hot-Line at (503) 378-6835. Thank you again.

JLR:jlr/hazmat/corr/svylt



4760 Portland Rd. NE  
Salem, OR 97305-1760  
(503) 378-3473

Koppers012159

FORM  
COMPANY

1992-93

HAZARDOUS SUBSTANCE EMPLOYER SURVEY  
OREGON STATE FIRE MARSHAL

Account Number

006202

OSFMB130

**STOP! READ THE INSTRUCTIONS AND DEFINITIONS BEFORE COMPLETING**

TO COMPLETE, ADD OR MAKE CORRECTIONS: PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE  
COLORED AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA WHICH MAY APPEAR IN SECTIONS A, B AND D.

**SECTION A**

**HAZARDOUS SUBSTANCE PRESENCE** (Enter the appropriate number, either 1, 2 or 3 in the box to the left)

3

1. No hazardous substances are used at this site in any way. Type the number 1 in the box to the left. Complete Sections B and C.
2. Hazardous substances are used at this site by our company, but do not meet reporting requirements. Type number 2 in the box to the left. Complete Sections B and C.
3. Hazardous substances are used, stored, or manufactured at this site by our business in reportable quantities. Type number 3 in the box to the left. Complete all parts of this form, Sections B, C, and D.

**SECTION B**

**DEMOGRAPHIC DATA** (Please complete, correct or add the following information to the colored areas if it is not preprinted. See instructions.)

1. SIC CODE(S) Enter all that apply to business SIC 1 **2865** SIC 2 **0000** SIC 3 **0000**

2. TYPE OF BUSINESS: **CYCLIC CRUDES AND INTERMEDIATES**

4. DUN & BRADSTREET No.: **02-773-4359**

5. MANAGER'S NAME: **JOHN OXFORD**

6. BUSINESS NAME: **KOPPERS INDUSTRIES INC** DEPT. or DIV.: **TAR**

7. SITE ADDRESS: **7540 NW ST HELENS RD** 8. MAILING ADDRESS: **7540 NW ST HELENS RD**

CITY: **PORTLAND** CITY: **PORTLAND**

COUNTY: **MULTNOMAH** COUNTY: **MULTNOMAH**

STATE: **OR** ZIP CODE: **97210-0000** STATE: **OR** ZIP CODE: **97210-0000**

BUSINESS PHONE: **503-286-3681** 9. NUMBER OF EMPLOYEES AT THIS SITE: **9**

10. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: **JOHN OXFORD** EMERGENCY CONTACT PHONES:  
DAY **503-286-3681** NIGHT **206-576-0521**

11. RESPONSIBLE FIRE DEPARTMENT: **PORTLAND FIRE BUREAU**

12. SPECIAL EMERGENCY PROCEDURES: (See instructions. Use additional pages as necessary)  
**NONE**

13. ARE STORAGE BUILDINGS / TANKS / AREAS PLACARDED ACCORDING TO (NFPA 704)? (YES or NO) **YES**

**SECTION C**

**PERSON COMPLETING FORM**

THE ABOVE DATA IS: CORRECT AS SHOWN

CORRECTIONS ARE MADE

PRINT NAME **JOHN A OXFORD**

SIGNATURE *John A Oxford*

3. DATE SURVEY COMPLETED: **2/12/93**

**KOPPERS INDUSTRIES INC**  
**7540 NW ST HELENS RD**  
**PORTLAND OR 97210-0000**

THE NAME AND SIGNATURE OF THE PERSON RESPONSIBLE FOR COMPLETION OF THE FORM.  
THIS PERSON WILL BE CONTACTED TO ANSWER ANY QUESTIONS NEEDING CLARIFICATION

**PLEASE TYPE ALL ANSWERS**

COMPANY INFO

Koppers012160

FORM  
CHEMICAL

OREGON STATE FIRE MARSHAL Account Number

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D

2-93

SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME: ACETONE

HAZARDOUS INGREDIENT ACETONE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1. PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	F 1 4	USE TABLE VI	
2. MIXTURE	2	2	01	01	01	365		3.2 3.1	0000067-64-1
1. NO CHANGE									
2. NEW									
3. CHANGE MADE									
4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) IN LAB AT W END OF BLDG									UN/NA NO.
									1090

COMMON NAME/TRADE NAME: ACETYLENE

HAZARDOUS INGREDIENT ACETYLENE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1. PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	L 2 4	USE TABLE VI	
2. MIXTURE	3	3	10	10	20			2.1 6.3	0000074-86-2
1. NO CHANGE									
2. NEW									
3. CHANGE MADE									
4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) IN MAINTENANCE SHOP IN REAR OF BLDG. 1 CYLINDER ON PORTABLE CART IN FRONT OF SHOP INSIDE									UN/NA NO.
									1001

COMMON NAME/TRADE NAME: COAL TAR PITCH

HAZARDOUS INGREDIENT PYRENE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1. PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	R 1 4	USE TABLE VI	
2. MIXTURE	1	1	50	53	53	365		4.5	0065996-93-2
1. NO CHANGE									
2. NEW									
3. CHANGE MADE									
4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) PITCH STORAGE BLDG									UN/NA NO.
									0000

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2. PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	A 1 5	USE TABLE VI	
2. MIXTURE	2	2	40	40	50	365	Q 1 5	4.5 6.5	008001-58-9
1. NO CHANGE									
2. NEW									
3. CHANGE MADE									
4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) TANK FARM, RAIL TRACK SOUTH END OF PLANT									UN/NA NO.
									1993

Koppers012161

FORM  
CHEMICAL

OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D  
USFMB151

92595

SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	D 1 4 F 1 4	USE TABLE VI 4.5 6.5	008001-58-9
3	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) LAB IN REAR SAMPLE ROOM, IN WAREHOUSE - IN REAR

UN/NA NO.

1993

COMMON NAME/TRADE NAME: DIESEL #2

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	E 1 4 F 1 4	USE TABLE VI 3.3	0068476-34-6
3	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN PLASTIC DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE

UN/NA NO.

1993

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	N 1 4 F 1 4	USE TABLE VI 3.1	0008006-61-9
3	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN OIL STORAGE ROOM IN WAREHOUSE - SE END OF BLDG

UN/NA NO.

1203

COMMON NAME/TRADE NAME: HELIUM

HAZARDOUS INGREDIENT HELIUM - NITROGEN

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	L 2 4	USE TABLE VI 2.2	007440-59-7
1	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE

UN/NA NO.

1046

FORM  
CHEMICAL

OREGON STATE FIRE MARSHAL Account Number

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D  
OSFMB101

2-93

SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS  
REQUEST ADDITIONAL COPIES IF NEEDED

006202

COMMON NAME/TRADE NAME: **HYDROGEN**  
HAZARDOUS INGREDIENT **HYDROGEN**  
IN HIGHEST CONCENTRATION:

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>3</b>	UNIT OF MEASURE USE TABLE II <b>3</b>	AVG. AMT. CODE USE TABLE III <b>10</b>	MAX. AMT. CODE USE TABLE III <b>10</b>	AMT. PER YEAR CODE USE TABLE III <b>20</b>	NUMBER DAYS ON SITE 3 DIGIT NO. <b>365</b>	STORAGE CODE (USE TABLE IV & V) <b>L 2 4</b>	HAZARD CLASSES USE TABLE VI <b>2.1</b>	CAS NO. (IF KNOWN) <b>0000133-74-0</b>
1	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									UN/NA NO. <b>1049</b>

STORAGE LOCATIONS (BE SPECIFIC) **CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE**

COMMON NAME/TRADE NAME: **METHYL NAPHTHALENE FRACTION**  
HAZARDOUS INGREDIENT **METHYL NAPHTHALENE**  
IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>2</b>	UNIT OF MEASURE USE TABLE II <b>2</b>	AVG. AMT. CODE USE TABLE III <b>30</b>	MAX. AMT. CODE USE TABLE III <b>30</b>	AMT. PER YEAR CODE USE TABLE III <b>30</b>	NUMBER DAYS ON SITE 3 DIGIT NO. <b>365</b>	STORAGE CODE (USE TABLE IV & V) <b>A 1 4</b> <b>Q 1 4</b>	HAZARD CLASSES USE TABLE VI <b>4.5</b>	CAS NO. (IF KNOWN) <b>001321-94-4</b>
1	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									UN/NA NO. <b>1137</b>

STORAGE LOCATIONS (BE SPECIFIC) **IN TANK FARM #3 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT**

COMMON NAME/TRADE NAME: **MOTOR OIL**  
HAZARDOUS INGREDIENT **PETROLEUM HYDROCARBON**  
IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>2</b>	UNIT OF MEASURE USE TABLE II <b>2</b>	AVG. AMT. CODE USE TABLE III <b>04</b>	MAX. AMT. CODE USE TABLE III <b>04</b>	AMT. PER YEAR CODE USE TABLE III <b>10</b>	NUMBER DAYS ON SITE 3 DIGIT NO. <b>365</b>	STORAGE CODE (USE TABLE IV & V) <b>D 1 4</b>	HAZARD CLASSES USE TABLE VI <b>4.5</b>	CAS NO. (IF KNOWN) <b>0064742-54-7</b>
3	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									UN/NA NO. <b>1270</b>

STORAGE LOCATIONS (BE SPECIFIC) **IN OIL STORAGE ROOM IN WAREHOUSE 3E END OF BLDG**

COMMON NAME/TRADE NAME: **NAPHTHALENE STILL RESIDUE**  
HAZARDOUS INGREDIENT **NAPHTHALENE**  
IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I <b>2</b>	UNIT OF MEASURE USE TABLE II <b>2</b>	AVG. AMT. CODE USE TABLE III <b>30</b>	MAX. AMT. CODE USE TABLE III <b>30</b>	AMT. PER YEAR CODE USE TABLE III <b>30</b>	NUMBER DAYS ON SITE 3 DIGIT NO. <b>365</b>	STORAGE CODE (USE TABLE IV & V) <b>A 1 5</b> <b>A 1 5</b>	HAZARD CLASSES USE TABLE VI <b>4.5</b>	CAS NO. (IF KNOWN) <b>073665-18-6</b>
3	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									UN/NA NO. <b>1334</b>

STORAGE LOCATIONS (BE SPECIFIC) **IN TANK FARM #99 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT**

Koppers012163

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D

002-93

HAZARDOUS SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME: **REFINED TAR**  
HAZARDOUS INGREDIENT **HYDROCARBONS**  
IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 2	UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 30	MAX. AMT. CODE USE TABLE III 31	AMT. PER YEAR CODE USE TABLE III 40	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) Q 1 5 A 1 5	HAZARD CLASSES USE TABLE VI 4.2	CAS NO. (IF KNOWN) 0065996-93-2
3	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC) **RAIL TRACK #5 BY PITCH STORAGE BUILDING, IN TANK #23 LOWER TANK FARM**

COMMON NAME/TRADE NAME: **SODIUM HYDROXIDE**  
HAZARDOUS INGREDIENT **SODIUM HYDROXIDE**  
IN HIGHEST CONCENTRATION:

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 1	UNIT OF MEASURE USE TABLE II 1	AVG. AMT. CODE USE TABLE III 10	MAX. AMT. CODE USE TABLE III 10	AMT. PER YEAR CODE USE TABLE III 11	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) 1 1 4	HAZARD CLASSES USE TABLE VI 8.0 6.3	CAS NO. (IF KNOWN) 0001310-73-2
1	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC) **IN BOILER ROOM E END**

1823

COMMON NAME/TRADE NAME: **SODIUM SULFITE**  
HAZARDOUS INGREDIENT **SODIUM SULFITE**  
IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 1	UNIT OF MEASURE USE TABLE II 1	AVG. AMT. CODE USE TABLE III 10	MAX. AMT. CODE USE TABLE III 10	AMT. PER YEAR CODE USE TABLE III 11	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) 1 1 4	HAZARD CLASSES USE TABLE VI 6.3 5.1	CAS NO. (IF KNOWN) 0007757-83-7
1	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC) **IN BOILER ROOM E END**

0000

COMMON NAME/TRADE NAME: **SOLVENT GRADE COAL TAR NAPHTHA**  
HAZARDOUS INGREDIENT **PETROLEUM NAPHTHA**  
IN HIGHEST CONCENTRATION:

4	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 2	UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 30	MAX. AMT. CODE USE TABLE III 30	AMT. PER YEAR CODE USE TABLE III 30	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) A 1 4	HAZARD CLASSES USE TABLE VI 3.3	CAS NO. (IF KNOWN) 065996-79-4
	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									UN/NA NO.

STORAGE LOCATIONS (BE SPECIFIC) **IN TANK FARM TANK #34, IN RAIL CAR TRACK #3 SOUTH END OF PLANT**

1136

FORM  
CHEMICAL

OREGON STATE FIRE MARSHAL Account Number

HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D  
OSFMB131

22923

HAZARDOUS SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME: TAR REFINED

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	D 1 5	USE TABLE VI	0065996-93-2
		2	2	20	20	21	365		4.5	
3	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) ~~IN WAREHOUSE, IN FRONT JUST INSIDE DOOR~~

UN/NA NO.

0000

COMMON NAME/TRADE NAME: XYLENE

HAZARDOUS INGREDIENT XYLENE

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	D 1 4 G 1 4	USE TABLE VI	001330-20-7
		2	2	02	03	03	365		3.3 6.3	
3	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB

UN/NA NO.

1307

COMMON NAME/TRADE NAME: COAL TAR PITCH (MELTED)

HAZARDOUS INGREDIENT PYRENE

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.		USE TABLE VI	
		2	2	41	42	42	365			
X2	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC)

UN/NA NO.

COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CALORIA HT 43

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.		USE TABLE VI	
2	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC)

UN/NA NO.

Koppers012165

FORM  
CHEMICAL

OREGON STATE FIRE MARSHAL Account Number

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D  
OSFMB151HAZARDOUS SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS  
REQUEST ADDITIONAL COPIES IF NEEDED

006202

COMMON NAME/TRADE NAME: OXYGEN  
HAZARDOUS INGREDIENT OXYGEN  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	L 2 4	USE TABLE VI	
2 - MIXTURE	3	3	11	20	20	365		2.2 5.1	007782-44-7
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE									
4 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) CYLINDER MOUNTED ON SOUTHSIDE OF LABORATORY BUILDING OUTSIDE, IN MAINTENANCE SHOP IN REAR, 1 CYLINDER ON CART IN FRONT OF SHOP									UN/NA NO.
									1072

COMMON NAME/TRADE NAME: PERCHLOROETHYLENE  
HAZARDOUS INGREDIENT PERCHLOROETHYLENE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	D 1 4	USE TABLE VI	
2 - MIXTURE	2	2	03	03	03	365		6.3 6.4	000127-18-4
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE									
4 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) IN METAL DRUM OUTSIDE W END OF LAB									UN/NA NO.
									1897

COMMON NAME/TRADE NAME: PROPANE  
HAZARDOUS INGREDIENT PROPANE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	L 2 6	USE TABLE VI	
2 - MIXTURE	3	3	04	04	10	365		2.1 6.3	000074-98-6
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE									
4 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) IN OIL ROOM IN WAREHOUSE SOUTHEAST END OF BUILDING, IN FORK LIFTS IN FRONT OF WAREHOUSE, ON TRACK #5 LOADING STATION									UN/NA NO.
									1978

COMMON NAME/TRADE NAME: QUINOLINE REFINED  
HAZARDOUS INGREDIENT QUINOLINE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	F 1 4	USE TABLE VI	
2 - MIXTURE	2	2	02	02	02	365		8.0	00091-22-5
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE									
4 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) IN WHSE JUST INSIDE OF MAIN DOOR ON NE SIDE OF BLDG. ALSO IN LAB - NO MORE THAN 5 GAL PRESENT									UN/NA NO.
									1760

Koppers012166



## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

006202

H

OSFMB131

COMMON NAME/TRADE NAME: ACETONE

HAZARDOUS INGREDIENT ACETONE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE									
2 - MIXTURE	2	2	01	01	01	365	F 1 4	3.1 3.2	0000067-64-1
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) IN LAB AT W END OF BLDG							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)
									1090
									[ ]

COMMON NAME/TRADE NAME: ACETYLENE

HAZARDOUS INGREDIENT ACETYLENE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE									
2 - MIXTURE	3	3	10	10	20	365	L 2 4	2.1 6.3	0000074-86-2
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) IN MAINTENANCE SHOP IN REAR OF BLDG. 2 CYLINDERS ON 2 PORTABLE CARTS IN FRONT OF SHOP INSIDE							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)
									1001
									[ ]

COMMON NAME/TRADE NAME: COAL TAR PITCH

HAZARDOUS INGREDIENT PYRENE

IN HIGHEST CONCENTRATION:

19,785,665 ÷ 11.25 = 1,758,726 gal.

[ COAL TAR PITCH (LIQUID) ]

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE									
2 - MIXTURE	2	2	41	42	42	365	A 1 5	4.5 0	0065996-93-2
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ 50 ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANK #65 AND #68							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)
									00000
									[ 3082 ]

COMMON NAME/TRADE NAME: COAL TAR PITCH

HAZARDOUS INGREDIENT PYRENE

IN HIGHEST CONCENTRATION:

26,483,746

[ COAL TAR PITCH (PENCIL) ]

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE									
2 - MIXTURE	1	1	50	80	80	365	R 1 4	4.5 0	0065996-93-2
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ 53 ]	[ 60 ]	[ 61 ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) PITCH STORAGE BUILDINGS							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)
									00000
									[ 3077 ]

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

006202

H

OSFMB131

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE	2	2	10	10	20	365	D 1 4 F 1 4	4.5 6.5	008001-58-9
1 1 - NO CHANGE									
1 2 - NEW									
1 3 - CHANGE MADE									
1 4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) LAB IN. REAR SAMPLE ROOM, AND ON ASPHALT IN REAR OF MAINTENANCE SHOP									UN/NA NO. (IF KNOWN)
									1993 [ 3082 ]

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE	2	2	40	40	50	365	A 1 5 Q 1 5	4.5 6.5	008001-58-9
3 1 - NO CHANGE									
3 2 - NEW									
3 3 - CHANGE MADE									
3 4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) TANK FARM, RAIL TRACK SOUTH END OF PLANT									UN/NA NO. (IF KNOWN)
IN TANK FARM, TANK'S #20, #39, AND #67, OR POSSIBLY IN A RAIL CAR ON TRACK #3									1993 [ 3082 ]

COMMON NAME/TRADE NAME: DIESEL #2

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE									
1 2 - MIXTURE	2	2	04	10	11	365	E 1 4	3.3 4.5	0068476-34-6
1 1 - NO CHANGE									
1 2 - NEW									
1 3 - CHANGE MADE									
1 4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) IN PLASTIC DRUMS JUST IN FRONT OF MAINTENANCE SHOP OUTSIDE									UN/NA NO. (IF KNOWN)
									1993 [ ]

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE	2	2	02	02	10	365	N 1 4 F 1 4	3.1 6.3	0008006-61-9
1 1 - NO CHANGE									
1 2 - NEW									
1 3 - CHANGE MADE									
1 4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) IN OIL STORAGE ROOM IN MAINTENANCE SHOP, IN LOCKERS WITH CLOSED DOORS SE E ND OF BUILDING									UN/NA NO. (IF KNOWN)
									1203 [ ]

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

006202

H

OSFMB131

COMMON NAME/TRADE NAME: HELIUM

HAZARDOUS INGREDIENT HELIUM  
IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	3	10	10	20	365	L 2 4	2.2 6.3	007440-59-7
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
1	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE										UN/NA NO. (IF KNOWN)
										1046

COMMON NAME/TRADE NAME: HYDROGEN

HAZARDOUS INGREDIENT HYDROGEN  
IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	3	10	10	20	365	L 2 4	2.1	0001333-74-0
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
1	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE										UN/NA NO. (IF KNOWN)
										1049

COMMON NAME/TRADE NAME: METHYL NAPHTHALENE FRACTION

HAZARDOUS INGREDIENT METHYL NAPHTHALENE  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	30	30	30	365	A 1 4 Q 1 4	4.5 6.5	001321-94-4
4	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
4	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN TANK FARM #3 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT										UN/NA NO. (IF KNOWN)
										1137

COMMON NAME/TRADE NAME: MOTOR OIL

HAZARDOUS INGREDIENT PETROLEUM HYDROCARBON  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	04	04	10	365	D 1 4	4.5	64742-65-0
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
1	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN OIL STORAGE ROOM IN MAINTENANCE SHOP, SOUTH END OF BUILDING										UN/NA NO. (IF KNOWN)
										1270

**SECTION D**

OSFMB131

COMMON NAME/TRADE NAME: **NAPHTHALENE STILL RESIDUE**  
HAZARDOUS INGREDIENT **NAPHTHALENE**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE									
2 - MIXTURE	2	2	30	30	30	365	A 1 5	4.5 6.3	073665-18-6
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) <b>IN TANK FARM #99 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT AND TANK #102</b> <b>IN TANK FARM--TANKS #34 AND #99, AND POSSIBLY IN A RAIL CAR ON TRACK #3</b>									UN/NA NO. (IF KNOWN) <b>1334</b>

COMMON NAME/TRADE NAME: **OXYGEN**  
HAZARDOUS INGREDIENT **OXYGEN**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE									
2 - MIXTURE	3	3	11	20	20	365	L 2 4	2.2 5.1	007782-44-7
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) <b>CYLINDER MOUNTED ON SOUTHSIDE OF LABORATORY BUILDING OUTSIDE, IN MAINTENANCE SHOP IN REAR, 2 CYLINDERS ON CART IN FRONT OF SHOP</b> <b>6 CYLINDERS ON 3 CARTS IN REAR OF MAINTENANCE SHOP</b>									UN/NA NO. (IF KNOWN) <b>1072</b>

COMMON NAME/TRADE NAME: **PERCHLOROETHYLENE**  
HAZARDOUS INGREDIENT **PERCHLOROETHYLENE**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE									
2 - MIXTURE	2	2	04	04	04	365	D 1 4	6.3 6.4	000127-18-4
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ 03 ]	[ 03 ]	[ 03 ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) <b>IN METAL DRUM OUTSIDE W END OF LAB</b>									UN/NA NO. (IF KNOWN) <b>1897</b>

COMMON NAME/TRADE NAME: **PETROLEUM PROCESS OIL, CALORIA HT**  
HAZARDOUS INGREDIENT **PETROOLEUM DISTILLATES**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE									
2 - MIXTURE	2	2	20	20	20	365	A 1 5	4.5	
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) <b>IN ABOVE GROUND EXPANSION TANK NEXT TO TANK #65</b>									UN/NA NO. (IF KNOWN)

**SECTION D**

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

006202

H

OSFMB131

COMMON NAME/TRADE NAME: **PROPANE**  
HAZARDOUS INGREDIENT **PROPANE**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE 2 - MIXTURE	3	2	04	04	10	365	L 2 6	2.1 6.3	000074-98-6
1 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
STORAGE LOCATIONS (REQUIRED) <b>IN OIL ROOM IN WAREHOUSE SOUTH EAST END OF BUILDING, IN FORK LIFTS IN FRONT OF MAINTENANCE SHOP TRACK #5 LOADING STATION OUTSIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME AREA, AND IN CANNISTERS AT TRACK #5 LOADING STATION.</b>									UN/NA NO. (IF KNOWN) <b>1075</b>

COMMON NAME/TRADE NAME: **QUINOLINE REFINED**  
HAZARDOUS INGREDIENT **QUINOLINE**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE 2 - MIXTURE	2	2	02	02	02	365	F 1 4	8.0	00091-22-5
1 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
STORAGE LOCATIONS (REQUIRED) <b>IN REAR OF LAB IN SAMPLE ROOM</b>									UN/NA NO. (IF KNOWN) <b>1760</b>

COMMON NAME/TRADE NAME: **REFINED TAR**  
HAZARDOUS INGREDIENT **HYDROCARBONS**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE 2 - MIXTURE	2	2	30	31	40	365	Q 1 5 A 1 5	4.2	0065996-93-2
3 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED	[ ]	[ ]	[ ]	[ 30 ]	[ 31 ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
STORAGE LOCATIONS (REQUIRED) <b>RAIL TRACK #5 BY PITCH STORAGE BUILDING, IN TANK #23 LOWER TANK FARM</b>									UN/NA NO. (IF KNOWN) <b>3082</b>

COMMON NAME/TRADE NAME: **SODIUM HYDROXIDE**  
HAZARDOUS INGREDIENT **SODIUM HYDROXIDE**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE 2 - MIXTURE	1	1	10	10	11	365	1 1 4	8.0 6.3	0001310-73-2
1 1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
STORAGE LOCATIONS (REQUIRED) <b>IN BOILER ROOM E END</b>									UN/NA NO. (IF KNOWN) <b>1823</b>

**SECTION D****HAZARDOUS SUBSTANCE EMPLOYER SURVEY**  
SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

006202

H

OSFMB131

COMMON NAME/TRADE NAME: **SODIUM SULFITE**  
HAZARDOUS INGREDIENT **SODIUM SULFITE**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE	1	1	10	10	11	365	I 1 4	6.3 5.1	0007757-83-7
1 1 - NO CHANGE									
1 2 - NEW									
1 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
1 4 - NO LONGER USED							[ ] [ ] [ ]		
STORAGE LOCATIONS (REQUIRED) IN BOILER ROOM E END									UN/NA NO. (IF KNOWN)
									0000
									[ ]

COMMON NAME/TRADE NAME: **TAR REFINED**  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE	2	2	20	20	21	365	D 1 5	4.5 0	0065996-93-2
1 1 - NO CHANGE									
1 2 - NEW									
1 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
1 4 - NO LONGER USED							[ ] [ ] [ ]		
STORAGE LOCATIONS (REQUIRED) ON ASPHALT AT REAR OF MAINTENANCE SHOP									UN/NA NO. (IF KNOWN)
									0000
ON ASPHALT AT REAR OF MAINTENANCE SHOP AND NORTH OF TRACK #5 LOADING STATION									[ 3082 ]

COMMON NAME/TRADE NAME: **XYLENE**  
HAZARDOUS INGREDIENT **XYLENE**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE	2	2	03	03	03	365	D 1 4 N 1 4	3.3 6.3	001330-20-7
1 1 - NO CHANGE									
1 2 - NEW									
1 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
1 4 - NO LONGER USED							[ ] [ ] [ ]		
STORAGE LOCATIONS (REQUIRED) IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB									UN/NA NO. (IF KNOWN)
									1307
									[ ]

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

[ LIGHT CREOSOTE DISTILLATE ]

[ CREOSOTE ]

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE									
1 1 - NO CHANGE									
1 2 - NEW									
2 3 - CHANGE MADE	[ 2 ]	[ 2 ]	[ 30 ]	[ 30 ]	[ 30 ]	[ 365 ]	[ A ] [ 1 ] [ 5 ]	[ 4.5 ] [ 6.5 ]	[ 65996-92-1 ]
1 4 - NO LONGER USED							[ Q ] [ 1 ] [ 5 ]		
STORAGE LOCATIONS (REQUIRED)									UN/NA NO. (IF KNOWN)
IN TANK FARM, TANKS #4 AND #23, OR POSSIBLY IN A RAIL CAR ON TRACK #3									[ 3082 ]

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

H

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

[ PRIMING AND REFRACTORY OIL ]

[ CREOSOTE ]

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE									
1 - NO CHANGE									
2 2 - NEW	[ 2 ]	[ 2 ]	[ 20 ]	[ 20 ]	[ 20 ]	[ 365 ]	[ A ] [ 1 ] [ 4 ]	[ 4.5 ] [ 6.5 ]	[ 65996-92-1 ]
3 - CHANGE MADE									
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED)									UN/NA NO. (IF KNOWN)
[ IN TANK FARM, TANK #19 ]									[ 3082 ]

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

[ HEAVY CREOSOTE DISTILLATE ]

[ CREOSOTE ]

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE									
1 - NO CHANGE									
2 2 - NEW	[ 2 ]	[ 2 ]	[ 30 ]	[ 30 ]	[ 30 ]	[ 365 ]	[ A ] [ 1 ] [ 5 ]	[ 4.5 ] [ 6.5 ]	[ 65996-92-1 ]
3 - CHANGE MADE									
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED)									UN/NA NO. (IF KNOWN)
[ IN TANK FARM, TANKS #17 AND #33 OR POSSIBLY IN A RAIL CAR ON TRACK #3 ]									[ 3082 ]

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:[ METHYL SOLVENT CREOSOTE  
DISTILLATE ]

[ CREOSOTE ]

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE									
1 - NO CHANGE									
2 2 - NEW	[ 2 ]	[ 2 ]	[ 30 ]	[ 30 ]	[ 30 ]	[ 365 ]	[ A ] [ 1 ] [ 5 ]	[ 4.5 ] [ 6.5 ]	[ 65996-92-1 ]
3 - CHANGE MADE									
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED)									UN/NA NO. (IF KNOWN)
[ IN TANK FARM, TANK #3 OR POSSIBLY IN A RAIL CAR ON TRACK #3 ]									[ 3082 ]

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

[ ]

[ ]

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE									
2 - MIXTURE									
1 - NO CHANGE									
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
3 - CHANGE MADE									
4 - NO LONGER USED									
STORAGE LOCATIONS (REQUIRED)									UN/NA NO. (IF KNOWN)
[ ]									[ ]

FORM

OREGON STATE FIRE MARSHAL

Account Number

CHEMICAL

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D

SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS  
REQUEST ADDITIONAL COPIES IF NEEDED

006202

COMMON NAME/TRADE NAME: ACETONE

HAZARDOUS INGREDIENT ACETONE

IN HIGHEST CONCENTRATION:

1	1. PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2. MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	F 1 4	USE TABLE VI	
		2	2	01	01	01	365		3.2 3.1	0000067-64-1
1	1. NO CHANGE									
	2. NEW									
	3. CHANGE MADE									
	4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) IN LAB AT W END OF BLDG										UN/NA NO.
										1090

COMMON NAME/TRADE NAME: ACETYLENE

HAZARDOUS INGREDIENT ACETYLENE

IN HIGHEST CONCENTRATION:

1	1. PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2. MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	L 2 4	USE TABLE VI	
		3	3	10	10	20			2.1 6.3	0000074-86-2
3	1. NO CHANGE									
	2. NEW									
	3. CHANGE MADE									
	4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) IN MAINTENANCE SHOP IN REAR OF BLDG. - 1 CYLINDER ON PORTABLE CART IN FRONT OF SHOP INSIDE										UN/NA NO.
										1001

COMMON NAME/TRADE NAME: COAL TAR PITCH

HAZARDOUS INGREDIENT PYRENE

IN HIGHEST CONCENTRATION:

1	1. PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2. MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	R 1 4	USE TABLE VI	
		1	1	50	53	53	365		4.5	0065996-93-2
3	1. NO CHANGE									
	2. NEW									
	3. CHANGE MADE									
	4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) PITCH STORAGE -BLDG										UN/NA NO.
										0000

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

2	1. PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2. MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	A 1 5	USE TABLE VI	
		2	2	40	40	50	365	Q 1 5	4.5 6.5	008001-58-9
3	1. NO CHANGE									
	2. NEW									
	3. CHANGE MADE									
	4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) TANK FARM, RAIL TRACK SOUTH END OF PLANT										UN/NA NO.
										1993



FORM  
CHEMICAL

OREGON STATE FIRE MARSHAL Account Number

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION C

HAZARDOUS SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 2	UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 10	MAX. AMT. CODE USE TABLE III 10	AMT. PER YEAR CODE USE TABLE III 20	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) D 1 4 F 1 4	HAZARD CLASSES USE TABLE VI 4.5 6.5	CAS NO. (IF KNOWN) 008001-58-9
3	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) LAB IN REAR SAMPLE ROOM, IN WAREHOUSE - IN REAR

UN/NA NO.

1993

COMMON NAME/TRADE NAME: DIESEL #2

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES

IN HIGHEST CONCENTRATION:

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 2	UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 04	MAX. AMT. CODE USE TABLE III 10	AMT. PER YEAR CODE USE TABLE III 11	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) E 1 4	HAZARD CLASSES USE TABLE VI 3.3	CAS NO. (IF KNOWN) 0068476-34-6
3	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN PLASTIC DRUMS JUST IN FRONT OF WAREHOUSE OUTSIDE

UN/NA NO.

1993

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES

IN HIGHEST CONCENTRATION:

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 2	UNIT OF MEASURE USE TABLE II 2	AVG. AMT. CODE USE TABLE III 02	MAX. AMT. CODE USE TABLE III 02	AMT. PER YEAR CODE USE TABLE III 10	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) N 1 4 F 1 4	HAZARD CLASSES USE TABLE VI 3.1	CAS NO. (IF KNOWN) 0008006-61-9
	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN OIL STORAGE ROOM IN WAREHOUSE - SE END OF BLDG

UN/NA NO.

1203

COMMON NAME/TRADE NAME: HELIUM

HAZARDOUS INGREDIENT HELIUM - NITROGEN

IN HIGHEST CONCENTRATION:

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I 3	UNIT OF MEASURE USE TABLE II 3	AVG. AMT. CODE USE TABLE III 10	MAX. AMT. CODE USE TABLE III 10	AMT. PER YEAR CODE USE TABLE III 20	NUMBER DAYS ON SITE 3 DIGIT NO. 365	STORAGE CODE (USE TABLE IV & V) L 2 4	HAZARD CLASSES USE TABLE VI 2.2	CAS NO. (IF KNOWN) 007440-59-7
1	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE

UN/NA NO.

1046

FORM  
CHEMICAL

OREGON STATE FIRE MARSHAL Account Number

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D

HAZARDOUS SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS  
REQUEST ADDITIONAL COPIES IF NEEDED

006202

COMMON NAME/TRADE NAME: HYDROGEN

HAZARDOUS INGREDIENT HYDROGEN

IN HIGHEST CONCENTRATION:

1	1. PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2. MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	L 2 4	USE TABLE VI	0000133-74-0
1	1. NO CHANGE									
	2. NEW									
	3. CHANGE MADE									
	4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE										UN/NA NO.
										1049

COMMON NAME/TRADE NAME: METHYL NAPHTHALENE FRACTION

HAZARDOUS INGREDIENT METHYL NAPHTHALENE

IN HIGHEST CONCENTRATION:

2	1. PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2. MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	A 1 4 Q 1 4	USE TABLE VI	001321-94-4
1	1. NO CHANGE									
	2. NEW									
	3. CHANGE MADE									
	4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) IN TANK FARM #3 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT										UN/NA NO.
										1137

COMMON NAME/TRADE NAME: MOTOR OIL

HAZARDOUS INGREDIENT PETROLEUM HYDROCARBON

IN HIGHEST CONCENTRATION:

2	1. PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2. MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	D 1 4	USE TABLE VI	0064742-54-7
3	1. NO CHANGE									
	2. NEW									
	3. CHANGE MADE									
	4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) IN OIL STORAGE ROOM IN WAREHOUSE USE SE-END-OF-BLDG										UN/NA NO.
										1270

COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE

HAZARDOUS INGREDIENT NAPHTHALENE

IN HIGHEST CONCENTRATION:

2	1. PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2. MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	A 1 5 A 1 5	USE TABLE VI	073665-18-6
3	1. NO CHANGE									
	2. NEW									
	3. CHANGE MADE									
	4. NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) IN TANK FARM #99 TANK, IN RAIL CAR ON TRACK #3 SOUTH END OF PLANT										UN/NA NO.
										1334

FORM

OREGON STATE FIRE MARSHAL

Account Number

CHEMICAL

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION C

02398

HAZARDOUS SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME: OXYGEN

HAZARDOUS INGREDIENT OXYGEN

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	L 2 4	USE TABLE VI	
2 - MIXTURE	3	3	11	20	20	365		2.2 5.1	007782-44-7
3 - NO CHANGE									
4 - NEW									
5 - CHANGE MADE									
6 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) CYLINDER MOUNTED ON SOUTHSIDE OF LABORATORY BUILDING OUTSIDE, IN MAINTENANCE SHOP IN REAR, 1 CYLINDER ON CART IN FRONT OF SHOP

UN/NA NO.

1072

COMMON NAME/TRADE NAME: PERCHLOROETHYLENE

HAZARDOUS INGREDIENT PERCHLOROETHYLENE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	D 1 4	USE TABLE VI	
2 - MIXTURE	2	2	03	03	03	365		6.3 6.4	000127-18-4
3 - NO CHANGE									
4 - NEW									
5 - CHANGE MADE									
6 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN METAL DRUM OUTSIDE W END OF LAB

UN/NA NO.

1897

COMMON NAME/TRADE NAME: PROPANE

HAZARDOUS INGREDIENT PROPANE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	L 2 6	USE TABLE VI	
2 - MIXTURE	3	3	04	04	10	365		2.1 6.3	000074-98-6
3 - NO CHANGE									
4 - NEW									
5 - CHANGE MADE									
6 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN OIL ROOM IN WAREHOUSE SOUTHEAST END OF BUILDING, IN FORK LIFTS IN FRONT OF WAREHOUSE, ON TRACK #5 LOADING STATION

UN/NA NO.

1978

COMMON NAME/TRADE NAME: QUINOLINE REFINED

HAZARDOUS INGREDIENT QUINOLINE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1 - PURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	F 1 4	USE TABLE VI	
2 - MIXTURE	2	2	02	02	02	365		8.0	00091-22-5
3 - NO CHANGE									
4 - NEW									
5 - CHANGE MADE									
6 - NO LONGER USED									

STORAGE LOCATIONS (BE SPECIFIC) IN WHSE JUST INSIDE OF MAIN DOOR ON NE SIDE OF BLDG. ALSO IN LAB - NO MORE THAN 5 GAL PRESENT

UN/NA NO.

1760

FORM  
CHEMICAL

OREGON STATE FIRE MARSHAL Account Number

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D

92593

SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME: **REFINED TAR**  
 HAZARDOUS INGREDIENT **HYDROCARBONS**  
 IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	Q 1 5 A 1 5	USE TABLE VI 4.2	0065996-93-2
3	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>RAIL TRACK #5 BY PITCH STORAGE BUILDING, IN TANK #23 LOWER TANK FARM</b>										
										UN/NA NO.

COMMON NAME/TRADE NAME: **SODIUM HYDROXIDE**  
 HAZARDOUS INGREDIENT **SODIUM HYDROXIDE**  
 IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	1 1 4	USE TABLE VI 8.0 6.3	0001310-73-2
1	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>IN BOILER ROOM E END</b>										
										UN/NA NO.
										1823

COMMON NAME/TRADE NAME: **SODIUM SULFITE**  
 HAZARDOUS INGREDIENT **SODIUM SULFITE**  
 IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	1 1 4	USE TABLE VI 6.3 5.1	0007757-83-7
1	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>IN BOILER ROOM E END</b>										
										UN/NA NO.
										0000

COMMON NAME/TRADE NAME: **SOLVENT GRADE COAL TAR NAPHTHA**  
 HAZARDOUS INGREDIENT **PETROLEUM NAPHTHA**  
 IN HIGHEST CONCENTRATION:

4	1 - PURE	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
	2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	A 1 4	USE TABLE VI 3.3	065996-79-4
4	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									
STORAGE LOCATIONS (BE SPECIFIC) <b>IN TANK FARM TANK #34, IN RAIL CAR TRACK #3 SOUTH END OF PLANT</b>										
										UN/NA NO.
										1136

FORM

OREGON STATE FIRE MARSHAL

Account Number

CHEMICAL

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

SECTION D

HAZARDOUS SUBSTANCE INFORMATION - TYPE ALL DATA IN SHADED AREAS

006202

OSFMB151

REQUEST ADDITIONAL COPIES IF NEEDED

COMMON NAME/TRADE NAME: **TAR REFINED**  
 HAZARDOUS INGREDIENT  
 IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2	1 - PURE 2 - MIXTURE	USE TABLE I 2	USE TABLE II 2	USE TABLE III 20	USE TABLE III 20	USE TABLE III 21	3 DIGIT NO. 365	D 1 5 USE TABLE VI 4.5	0065996-93-2
3	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED								
STORAGE LOCATIONS (BE SPECIFIC) <del>IN WAREHOUSE, IN FRONT JUST INSIDE DOOR</del>									UN/NA NO. 0000

COMMON NAME/TRADE NAME: **XYLENE**  
 HAZARDOUS INGREDIENT **XYLENE**  
 IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2	1 - PURE 2 - MIXTURE	USE TABLE I 2	USE TABLE II 2	USE TABLE III 02	USE TABLE III 03	USE TABLE III 03	3 DIGIT NO. 365	D 1 4 G 1 4 USE TABLE VI 3.3 6.3	001330-20-7
3	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED								
STORAGE LOCATIONS (BE SPECIFIC) <b>IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB</b>									UN/NA NO. 1307

COMMON NAME/TRADE NAME: **COAL TAR PITCH (MELTED)**  
 HAZARDOUS INGREDIENT **PYRENE**  
 IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
1	1 - PURE 2 - MIXTURE	USE TABLE I 2	USE TABLE II 2	USE TABLE III 41	USE TABLE III 42	USE TABLE III 42	3 DIGIT NO. 365		
X2	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED								
STORAGE LOCATIONS (BE SPECIFIC)									UN/NA NO.

COMMON NAME/TRADE NAME: **PETROLEUM PROCESS OIL, CALORIA HT 43**  
 HAZARDOUS INGREDIENT **PETROLEUM DISTILLATES**  
 IN HIGHEST CONCENTRATION:

	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. PER YEAR CODE	NUMBER DAYS ON SITE	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES	CAS NO. (IF KNOWN)
2	1 - PURE 2 - MIXTURE	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLE VI	
2	1 - NO CHANGE 2 - NEW 3 - CHANGE MADE 4 - NO LONGER USED								
STORAGE LOCATIONS (BE SPECIFIC)									UN/NA NO.

To: Hazardous Substance Fee Recipients for 1993-1994

**SUBJECT: 1993-1994 Hazardous Substance Possession Fee (HS94)**

The enclosed 1993-1994 Hazardous Substance Possession fee coupon was prepared in accordance with Oregon Revised Statutes (ORS) 453.396 to 453.414. It is based solely on the 1993 Hazardous Substance Survey that your firm completed, signed and submitted to the Office of State Fire Marshal as required by ORS 453.307 to 453.372.

This last year, new companies were added to the system, which would have normally lowered the fees for everyone. However, during the last legislative session DEQ was authorized to collect an additional \$250,000 from this billing cycle for DEQ's orphan site funding. These additional dollars caused the fee to be increased. If you have any questions on the programs being funded please follow the directions listed on information sheet.

**SUBJECT: Hazardous Substance Possession Fee Advisory Group**

At the request of representatives from Oregon Industry and members of the Legislature, the Office of State Fire Marshal established an advisory group to review the current method of assessing hazardous substance possession fees. During 1994 this advisory group met and discussed hazardous substance possession fee issues, concerns and possible solutions.

A report has been prepared which details, who participated, activities, findings and the recommendations of this group. Upon request copies and/or a summary of this report are available. you may request a copy by calling the survey hotline, 503-378-6835 or by writing the address shown below.

Office of State Fire Marshal  
HazMat Fee/Adv Report  
4760 Portland Road, NE  
Salem, Oregon 97305-1760

Sincerely,

*Dennis Walthall*

Dennis Walthall  
Manager  
dfwFee84.doc



4760 Portland Rd. NE  
Salem, OR 97305-1760

## OREGON HAZARDOUS SUBSTANCE FEE

Date Due	Year	Account Number
JAN. 1, 1995	94	006202

Date Received \_\_\_\_\_

OREGON DEPARTMENT OF REVENUE

State Government	Local Government	For Office Use Only	
6890.00	1860.00		

Amount Due

**\$8,750.00**

KOPPERS INDUSTRIES INC  
7540 NW ST HELENS RD  
PORTLAND, OR 97210

Make check payable to:  
Oregon Department of Revenue

Mail your payment and coupon to:  
Hazardous Substance Fee  
Oregon Department of Revenue  
PO Box 14110  
Salem, OR 97309-0910

000875000 94 82 607 0062027

↑ Tear out coupon before mailing ↑

Keep this portion for your records.

For the year 1994 and in accordance with ORS 453.402 your company is assessed a fee for hazardous substances you possessed, used, stored, manufactured or disposed of at your place of business during 1993

**STATE PROGRAM**

Account Number: 006202  
Substance: COAL TAR PITCH  
Max. Amt. Code: 60  
Location Site: 7540 NW ST HELENS RD  
Hazard Rank: 2

### LOCAL PROGRAM

Account Number: 006202  
Substance: COAL TAR PITCH  
Max. Amt. Code: 60  
Location Site: 7540 NW ST HELENS  
Hazard Rank: 2

**PLEASE RETAIN A COPY OF PAYMENT COUPON AND THIS SHEET FOR YOUR RECORDS**

2000.00

DEQ Toxic Use Reduction Program

**2890.00**

## DEQ Orphan Site Clean-Up Program

2000.00

SFM Community Right-to-Know

1860.00

## Local Government Program

PORTLAND

8750.00


TOTAL

Another  
copy is in  
AP file

**\*Please read on for additional information regarding your fee, the above programs and the appeal process.\***

KI 37G REV 2 2M 6/90

CIRCLE TERMS ON INVOICE

GIL		DET.	S-DET.	LOC.	DEPT.	TAX	EMP #	MOVE # PO #	AMOUNT	CIRCLE TERMS ON INVOICE			
305	807		9270	910	0362				4375.00	INV #	6202	DATE	11/29/94
305	807		9270	925	0362				4375.00	<div style="text-align: center;">↓ A/P DEPARTMENT USE ONLY ↓</div>			
										VENDOR NUMBER	9	4	0
											4	3	2
											0	9	2
OK TO PAY 									TERMS. CODE -	740	DUE DATE: 1/1		
									DIVISION	MONTH		AUDIT NUMBER	
<b>IMPORTANT: CIRCLE TERMS ON INVOICE</b>									GROSS AMOUNT		8750.00		
									DISCOUNT \$				
									NET \$		483 12 92701021		

Koppers012181

### FEE INFORMATION

Every effort has been made to ensure that the fees assessed are correct and in accordance with the applicable statutes and rules. They are based on information submitted as part of your Community Right to Know Hazardous Substance survey. Reductions in fees cannot be made unless there is sufficient evidence to support a claim that an error was made.

Certain petroleum products and waste are exempt from the hazardous substance fee.

Requests or claims for fee reduction or exemptions will be considered only as part of a fee review process. It is imperative that those wishing a review or examination of their assessed fee, follow the directions for requesting a fee review. Those owing fees may not alter their bills nor send in amounts different from that owing, except as agreed through the review process.

### HOW TO REQUEST A REVIEW OF YOUR FEE

- \* The review process does not stop the accumulation of late charges and penalties.  
Please pay the fee by the due date to avoid late charges & penalties.

If you believe a billing error was made, you must within 20 days of the date the bill was mailed, write a letter requesting a review to the Office of State Fire Marshal. Explain why a review is necessary. A representative of the State Fire Marshals Office will either call or write to discuss your issues.

If you request a review, please be sure to include the following:

1. Name of your company and the account number
2. Company address
3. Name of the hazardous substance
4. Amount of fee assessed
5. Your phone number
6. Your basis for a file review

IF YOU MUST CALL FOR INFORMATION, USE THE SALEM HOT LINE NUMBER (503)378-6835. REMEMBER, REQUEST FOR REVIEW MUST BE FILED IN WRITING.

Fee reviews are to be sent to:

Department of State Police  
Office of State Fire Marshal  
Fee Review Section  
4760 Portland Road NE  
Salem, Oregon 97305-1760



## EXPLANATION OF PROGRAMS

The Oregon Hazardous Substance Fee will fund programs designed to minimize the use and dangers of hazardous substances. Below is a brief explanation of each of these programs and phone numbers for more information.

### Toxic Use Reduction Program

Phone: (503)229-5913

Passed in 1989, the Toxic Use Reduction and Hazardous Waste Reduction Act reflects the Oregon legislature's determination that the best way to reduce the adverse effects of chemicals in the workplace and in the environment is through voluntary actions taken by industry to reduce their chemical use and generation of hazardous wastes. The law requires:

1. Oregon businesses and industries to develop and implement reduction plans for toxic substances and hazardous wastes;
2. The Department of Environmental Quality to provide technical assistance to businesses and industries concerning the reduction of toxic substances and hazardous wastes; and
3. The Department of Environmental Quality to monitor the use of toxic substances and the generation of hazardous waste and to report back to the 1991 and 1993 Legislative Assembly.

The Department's Toxic Use Reduction (TUR) Program implements the 1989 Act. It provides, develops, and distributes guidance publications, and provides training and in-plant consultation services to companies requesting such assistance. In addition, the TUR Program actively participates in industry and trade association workshops as well as state-wide and national pollution prevention activities.

### Orphan Site Account

Phone: (503)229-6170

This money funds a clean-up program for sites contaminated by hazardous materials when responsible parties are unknown, unwilling or unable to pay for clean-up. The Orphan Site Account enabling legislation was enacted by Oregon Legislature in 1989.

### Local Government Program

Phone: (503)823-3934, (503)823-3920

This program augments the Oregon Community Right to Know program and is used for planning, training, and emergency response.

### Community Right to Know Program

Phone: (503)378-6835

This program, through the hazardous substance survey system, identifies and locates hazardous substances throughout Oregon. This information is then provided to emergency responders for planning and training for emergencies involving hazardous substances. The legislature addressed three major concerns when it adopted the Community Right to Know Program and Protection Act (ORS 453.307 - 453.414) in 1985.

1. The public's health and safety may be endangered by a lack of knowledge about hazardous substances located in the state.
2. Information on the use of hazardous substances should be readily available to the public, allowing them to protect themselves against dangers posed to health and safety.
3. Emergency personnel must know what types and amounts of hazardous substances are present within the state and where they are located to properly protect human life and property.

1994-1995  
**HAZARDOUS SUBSTANCE EMPLOYER SURVEY**  
**OREGON STATE FIRE MARSHAL**

Account Number  
**006202**

H

PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

**SECTION A**

**HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

☒ YES ☐ NO

\* Are there hazardous substances present at this site in reportable quantities?

If yes, complete sections B, C and D. If no, complete sections B and C.

\*Out of Business. (No longer a commercial or industrial establishment). Effective date \_\_\_\_\_

\*\*If business has been sold, new owner must complete and return survey.

CC: VNES  
JEM

**SECTION B**

**DEMOGRAPHIC DATA** Complete, correct or add information in the bracketed area if it is not preprinted.

1. SIC CODE 1: **2865** DEFINITION: **CYCLIC CRUDES AND INTERMEDIATES-MFG**
2. SIC CODE 2: **0000** DEFINITION:
3. BUSINESS ACTIVITY: **CREOSOTE & COAL TAR PITCH TERMINAL**
4. DUNN & BRADSTREET #: **02-773-4359**
5. MANAGER'S NAME: **AMOS S KAMERER**
6. BUSINESS NAME: **KOPPERS INDUSTRIES INC** 7. DEPT. or DIV.: **TAR PRODUCTS**
8. SITE ADDRESS: **7540 NW ST HELENS RD** 9. MAILING ADDRESS: **7540 NW ST HELENS RD**
- CITY: **PORTLAND** CITY: **PORTLAND**
- COUNTY: **MULTNOMAH** COUNTY: **MULTNOMAH**
- STATE: **OR** ZIP CODE: **97210-3663** STATE: **OR** ZIP CODE: **97210-3663**
10. BUSINESS PHONE: **503-286-3681** 11. NUMBER OF EMPLOYEES AT THIS SITE: **11**
12. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: **AMOS S KAMERER** 13. EMERGENCY CONTACT PHONES:
- A. DAY **503-286-3681** NIGHT **503-246-8045**
14. RESPONSIBLE FIRE DEPARTMENT: **PORTLAND FIRE BUREAU**

**SPECIAL FIRE DEPARTMENT INFORMATION** This section is for information the fire service needs to know in case of an emergency.

☒ YES ☐ NO 15. EMERGENCY PLAN. IF YES: Location: **OFFICE AND CONTROL ROOM**

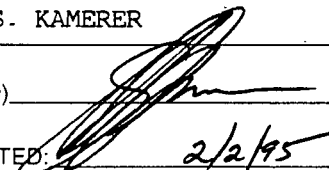
☐ YES ☒ NO 16. AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT: i.e., sprinklered, halon system, etc.

☒ YES ☐ NO 17. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?

\*SEE INSTRUCTIONS

**SECTION C**

**PERSON COMPLETING FORM:** THIS PERSON WILL BE CONTACTED TO ANSWER ANY QUESTIONS NEEDING CLARIFICATION.

1. PRINT NAME: **AMOS S. KAMERER**
2. SIGNATURE (REQUIRED) 
3. DATE SURVEY COMPLETED: **2/2/95**

**KOPPERS INDUSTRIES INC**  
**TAR PRODUCTS**  
**7540 NW ST HELENS RD**  
**PORTLAND OR 97210-3663**

**RETAIN A COPY OF THIS SURVEY FOR 3 YEARS.**

**PLEASE TYPE OR PRINT ALL ANSWERS. THANK - YOU!**

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

OSFMB131

COMMON NAME/TRADE NAME: ACETONE  
HAZARDOUS INGREDIENT ACETONE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	2	2	01	01	01	365	F 1 4	3.1 6.3	0000067-64-1
2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
1 1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN LAB AT W END OF BLDG									UN/NA NO. (IF KNOWN)
									1090

COMMON NAME/TRADE NAME: ACETYLENE  
HAZARDOUS INGREDIENT ACETYLENE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	3	3	10	10	20	365	L 2 4	2.1	0000074-86-2
2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
1 1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN MAINTENANCE SHOP IN REAR OF BLDG. 2 CYLINDERS ON 2 PORTABLE CARTS IN FRONT OF SHOP INSIDE									UN/NA NO. (IF KNOWN)
									1001

COMMON NAME/TRADE NAME: COAL TAR PITCH  
HAZARDOUS INGREDIENT PYRENE  
IN HIGHEST CONCENTRATION:

LIQUID COAL TAR PITCH

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	2	2	41	42	50	365	A 1 5	4.5 0	0065996-93-2
2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
1 1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANK'S #65 AND #68.									UN/NA NO. (IF KNOWN)
									3082

COMMON NAME/TRADE NAME: COAL TAR PITCH  
HAZARDOUS INGREDIENT PYRENE  
IN HIGHEST CONCENTRATION:

SOLID COAL TAR PITCH

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	1	1	53	60	61	365	R 1 4	4.5 0	0065996-93-2
2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
1 1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
STORAGE LOCATIONS (REQUIRED) PITCH STORAGE BUILDINGS									UN/NA NO. (IF KNOWN)
									3082

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

006202

OSFMB131

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT COAL TAR PITCH VOLATILES  
IN HIGHEST CONCENTRATION:

CREOSOTE

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	10	10	20	365	D 1 4 F 1 4	4.5 6.3	
3	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
STORAGE LOCATIONS (REQUIRED) LAB IN REAR SAMPLE ROOM, AND ON ASPHALT IN REAR OF MAINTENANCE SHOP										UN/NA NO. (IF KNOWN)
										3082

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT COAL TAR PITCH VOLATILES  
IN HIGHEST CONCENTRATION:

CREOSOTE

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	40	40	50	365	A 1 5 Q 1 5	4.5 6.3	
3	1 - NO CHANGE	[ ]	[ ]	[31 ]	[ ]	[41 ]	[ ]	[ ]	[ ]	
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANKS #20, #39 AND #67, OR POSSIBLY IN A RAIL CAR ON TRACK #3.										UN/NA NO. (IF KNOWN)
										3082

COMMON NAME/TRADE NAME: DIESEL #2

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES  
IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	04	10	11	365	E 1 4	3.3 6.4	0068476-34-6
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
STORAGE LOCATIONS (REQUIRED) IN PLASTIC DRUMS JUST IN FRONT OF MAINTENANCE SHOP OUTSIDE										UN/NA NO. (IF KNOWN)
										1993

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	02	02	10	365	N 1 4 F 1 4	3.1 6.3	0008006-61-9
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	
STORAGE LOCATIONS (REQUIRED) IN OIL STORAGE ROOM IN MAINTENANCE SHOP, IN LOCKERS WITH CLOSED DOORS SE E ND OF BUILDING										UN/NA NO. (IF KNOWN)
										1203

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

OSFMB131

COMMON NAME/TRADE NAME: **HEAVY CREOSOTE DISTILLATE**HAZARDOUS INGREDIENT **CREOSOTE**

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	30	30	30	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
3	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANKS #17 AND #33 OR POSSIBLY IN A RAIL CAR ON TRACK #3										UN/NA NO. (IF KNOWN)
										3082

COMMON NAME/TRADE NAME: **HELIUM**HAZARDOUS INGREDIENT **HELIUM**

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	3	10	10	20	365	L 2 4	2.2 6.3	007440-59-7
4	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE										UN/NA NO. (IF KNOWN)
										1046

COMMON NAME/TRADE NAME: **HYDROGEN**HAZARDOUS INGREDIENT **HYDROGEN**

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	3	10	10	20	365	L 2 4	2.1	0001333-74-0
4	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE										UN/NA NO. (IF KNOWN)
										1049

COMMON NAME/TRADE NAME: **LIGHT CREOSOTE DISTILLATE**HAZARDOUS INGREDIENT **CREOSOTE**

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	30	30	30	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
3	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANKS #4 AND #23, OR POSSIBLY IN A RAIL CAR ON TRACK #3										UN/NA NO. (IF KNOWN)
										3082

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

006202

OSFMB131

COMMON NAME/TRADE NAME: METHYL SOLVENT CREOSOTE DISTILLATE

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	30	30	30	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANK #3 OR POSSIBLY IN A RAIL CAR ON TRACK #3										UN/NA NO. (IF KNOWN)
										3082

COMMON NAME/TRADE NAME: MOTOR OIL

HAZARDOUS INGREDIENT PETROLEUM HYDROCARBON

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	04	04	10	365	D 1 4	4.5	64742-54-7
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN OIL STORAGE ROOM IN MAINTENANCE SHOP, SOUTHEND OF BUILDING										UN/NA NO. (IF KNOWN)
										1270

COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE

HAZARDOUS INGREDIENT NAPHTHALENE

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	30	30	30	365	Q 1 5	4.5 6.3	073665-18-6
3	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANKS #34 AND #99, AND POSSIBLY IN A RAIL CAR ON TRACT #3.										UN/NA NO. (IF KNOWN)
IN TANK FARM, TANKS #34 AND #102, AND POSSIBLY IN A RAILCAR ON TRACK #3										1334

COMMON NAME/TRADE NAME: OXYGEN

HAZARDOUS INGREDIENT OXYGEN

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	3	11	20	20	365	L 2 4	2.2 5.1	007782-44-7
3	1 - NO CHANGE	[ ]	[ 2 ]	[ 04 ]	[ 11 ]	[ 11 ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) 6 CYLINDERS ON 3 CARTS IN REAR OF MAINTENANCE SHOP.										UN/NA NO. (IF KNOWN)
										1072

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006292

OSFMB131

COMMON NAME/TRADE NAME: PERCHLOROETHYLENE

HAZARDOUS INGREDIENT PERCHLOROETHYLENE  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	03	03	03	365	D 1 4	6.3 6.4	000127-18-4
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN METAL DRUM OUTSIDE W END OF LAB										UN/NA NO. (IF KNOWN)
										1897

COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CALORIA HT

HAZARDOUS INGREDIENT PETROOLEUM DISTILLATES

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	20	20	20	365	A 1 5	4.5	
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN ABOVE GROUND EXPANSION TANK NEXT TO TANK #65										UN/NA NO. (IF KNOWN)

COMMON NAME/TRADE NAME: PRIMING AND REFACTORY OIL

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	20	20	20	365	A 1 4	4.5 6.5	65996-92-1
3	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANK #19										UN/NA NO. (IF KNOWN)
IN TANK FARM, TANK #19 AND IN DRUMS BEHIND MAINTENANCE SHOP										3082

COMMON NAME/TRADE NAME: PROPANE

HAZARDOUS INGREDIENT PROPANE

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	2	04	04	10	365	L 2 6	2.1 6.3	000074-98-6
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) OUTSIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME AREA, AND IN CANNISTERS AT TRACK #5 LOADING STATION.										UN/NA NO. (IF KNOWN)
										1075

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

006202

OSFMB131

COMMON NAME/TRADE NAME: QUINOLINE REFINED

HAZARDOUS INGREDIENT QUINOLINE

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	02	02	02	365	F 1 4	8.0	00091-22-5
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN REAR OF LAB IN SAMPLE ROO										UN/NA NO. (IF KNOWN)
M										1760

COMMON NAME/TRADE NAME: REFINED TAR

HAZARDOUS INGREDIENT HYDROCARBONS

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	30	30	31	365	Q 1 5 A 1 5	4.2	0065996-93-2
3	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) TANK CARS ON RAIL TRACK #3 AND TRACK #5, LOWER TANK FARM TANK #19.										UN/NA NO. (IF KNOWN)
IN TANK CARS ON TRACK #3 OR #5										3082

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE

HAZARDOUS INGREDIENT SODIUM HYDROXIDE

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	1	1	10	10	11	365	I 1 4	8.0 6.3	0001310-73-2
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN BOILER ROOM E END										UN/NA NO. (IF KNOWN)
										1823

COMMON NAME/TRADE NAME: SODIUM SULFITE

HAZARDOUS INGREDIENT SODIUM SULFITE

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	1	1	10	10	11	365	I 1 4	6.3 5.1	0007757-83-7
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN BOILER ROOM E END										UN/NA NO. (IF KNOWN)
										0000



**SECTION D**SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS **006202****OSFMB131**COMMON NAME/TRADE NAME: **TAR REFINED**  
HAZARDOUS INGREDIENT **PETROLEUM HYDROCARBONS**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<b>2</b> 1. PURE	<b>2</b>	<b>2</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>365</b>	<b>D 1 5</b>	<b>4.5 0</b>	<b>0065996-93-2</b>
2. MIXTURE									
1. NO CHANGE									
2. NEW									
3. CHANGE MADE									
4. NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) <b>ON ASPHALT AT REAR OF MAINTENANCE SHOP AND NORTH OF TRACT #5 LOADING STATION.</b>									UN/NA NO. (IF KNOWN) <b>3082</b>

COMMON NAME/TRADE NAME: **XYLENE**  
HAZARDOUS INGREDIENT **XYLENE**  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<b>2</b> 1. PURE	<b>2</b>	<b>2</b>	<b>03</b>	<b>03</b>	<b>03</b>	<b>365</b>	<b>D 1 4</b>	<b>3.3 6.3</b>	<b>001330-20-7</b>
2. MIXTURE									
1. NO CHANGE									
2. NEW									
3. CHANGE MADE									
4. NO LONGER USED									
STORAGE LOCATIONS (REQUIRED) <b>IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB</b>									UN/NA NO. (IF KNOWN) <b>1307</b>

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1. PURE									
2. MIXTURE									
1. NO CHANGE									
2. NEW									
3. CHANGE MADE									
4. NO LONGER USED									
STORAGE LOCATIONS (REQUIRED)									UN/NA NO. (IF KNOWN)

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1. PURE									
2. MIXTURE									
1. NO CHANGE									
2. NEW									
3. CHANGE MADE									
4. NO LONGER USED									
STORAGE LOCATIONS (REQUIRED)									UN/NA NO. (IF KNOWN)

1994-1995  
**HAZARDOUS SUBSTANCE EMPLOYER SURVEY**  
**OREGON STATE FIRE MARSHAL**

Account Number  
**006202**

H

PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

**SECTION A**

**HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

☒ YES ☐ NO

\* Are there hazardous substances present at this site in reportable quantities?

If yes, complete sections B, C and D. If no, complete sections B and C.

\*Out of Business. (No longer a commercial or industrial establishment). Effective date \_\_\_\_\_

\*\*If business has been sold, new owner must complete and return survey.

**SECTION B**

**DEMOGRAPHIC DATA** Complete, correct or add information in the bracketed area if it is not preprinted.

1. SIC CODE 1: **2865** DEFINITION: **CYCLIC CRUDES AND INTERMEDIATES-MFG**
2. SIC CODE 2: **0000** DEFINITION:
3. BUSINESS ACTIVITY: **CREOSOTE & COAL TAR PITCH TERMINAL**
4. DUNN & BRADSTREET #: **02-773-4359**
5. MANAGER'S NAME: **AMOS S KAMERER**
6. BUSINESS NAME: **KOPPERS INDUSTRIES INC** 7. DEPT. or DIV.: **TAR PRODUCTS**
8. SITE ADDRESS: **7540 NW ST HELENS RD** 9. MAILING ADDRESS: **7540 NW ST HELENS RD**
- CITY: **PORTLAND** CITY: **PORTLAND**
- COUNTY: **MULTNOMAH** COUNTY: **MULTNOMAH**
- STATE: **OR** ZIP CODE: **97210-3663** STATE: **OR** ZIP CODE: **97210-3663**
10. BUSINESS PHONE: **503-286-3681** 11. NUMBER OF EMPLOYEES AT THIS SITE: **11**
12. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: **AMOS S KAMERER** 13. EMERGENCY CONTACT PHONES:
- A. DAY **503-286-3681** NIGHT **503-246-8045**
14. RESPONSIBLE FIRE DEPARTMENT: **PORTLAND FIRE BUREAU**

**SPECIAL FIRE DEPARTMENT INFORMATION** This section is for information the fire service needs to know in case of an emergency.

- ☒ YES ☐ NO 15. EMERGENCY PLAN. IF YES: Location: **OFFICE AND CONTROL ROOM**
- ☐ YES ☒ NO 16. AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT: i.e., sprinklered, halon system, etc.
- ☒ YES ☐ NO 17. ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
- \*SEE INSTRUCTIONS

**SECTION C**

**PERSON COMPLETING FORM:** THIS PERSON WILL BE CONTACTED TO ANSWER ANY QUESTIONS NEEDING CLARIFICATION.

1. PRINT NAME: Amos S. KAMERER
2. SIGNATURE (REQUIRED) \_\_\_\_\_
3. DATE SURVEY COMPLETED: \_\_\_\_\_

**KOPPERS INDUSTRIES INC**  
**TAR PRODUCTS**  
**7540 NW ST HELENS RD**  
**PORTLAND OR 97210-3663**

**RETAIN A COPY OF THIS SURVEY FOR 3 YEARS.**

**PLEASE TYPE OR PRINT ALL ANSWERS. THANK - YOU!**

FORM  
CHEMICAL

1994 -1995 OREGON STATE FIRE MARSHAL Account Number

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

OSFMB131

COMMON NAME/TRADE NAME: ACETONE

HAZARDOUS INGREDIENT ACETONE

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	01	01	01	365	F 1 4	3.1 6.3	0000067-64-1
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
1	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

STORAGE LOCATIONS (REQUIRED) IN LAB AT W END OF BLDG

UN/NA NO. (IF KNOWN)

1090

COMMON NAME/TRADE NAME: ACETYLENE

HAZARDOUS INGREDIENT ACETYLENE

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	3	10	10	20	365	L 2 4	2.1	0000074-86-2
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
1	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

STORAGE LOCATIONS (REQUIRED) IN MAINTENANCE SHOP IN REAR OF BLDG. 2 CYLINDERS ON 2 PORTABLE CARTS IN FRONT OF SHOP INSIDE

UN/NA NO. (IF KNOWN)

1001

COMMON NAME/TRADE NAME: COAL TAR PITCH

HAZARDOUS INGREDIENT PYRENE

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	41	42	50	365	A 1 5	4.5 0	0065996-93-2
3	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANK'S #65 AND #68.

UN/NA NO. (IF KNOWN)

3082

COMMON NAME/TRADE NAME: COAL TAR PITCH

HAZARDOUS INGREDIENT PYRENE

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	1	1	53	60	61	365	R 1 4	4.5 0	0065996-93-2
3	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

STORAGE LOCATIONS (REQUIRED) PITCH STORAGE BUILDINGS

UN/NA NO. (IF KNOWN)

3082

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

OSFMB131

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT COAL TAR PITCH VOLATILES  
IN HIGHEST CONCENTRATION: CREOSOTE

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	2	2	10	10	20	365	D 1 4 F 1 4	4.5 6.3	
3 1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
STORAGE LOCATIONS (REQUIRED) LAB IN REAR SAMPLE ROOM, AND ON ASPHALT IN REAR OF MAINTENANCE SHOP									UN/NA NO. (IF KNOWN)
									3082

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT COAL TAR PITCH VOLATILES  
IN HIGHEST CONCENTRATION: CREOSOTE

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	2	2	40	40	50	365	A 1 5 Q 1 5	4.5 6.3	
3 1 - NO CHANGE	[ ]	[ ]	[ 3 ]	[ ]	[ 4 ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANKS #20, #39 AND #67, OR POSSIBLY IN A RAIL CAR ON TRACK #3.									UN/NA NO. (IF KNOWN)
									3082

COMMON NAME/TRADE NAME: DIESEL #2

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	2	2	04	10	11	365	E 1 4	3.3 6.4	0068476-34-6
1 2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
1 1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
STORAGE LOCATIONS (REQUIRED) IN PLASTIC DRUMS JUST IN FRONT OF MAINTENANCE SHOP OUTSIDE									UN/NA NO. (IF KNOWN)
									1993

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	2	2	02	02	10	365	N 1 4 F 1 4	3.1 6.3	0008006-61-9
1 2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
1 1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	
STORAGE LOCATIONS (REQUIRED) IN OIL STORAGE ROOM IN MAINTENANCE SHOP, IN LOCKERS WITH CLOSED DOORS SE EN OF BUILDING									UN/NA NO. (IF KNOWN)
									1203

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

OSFMB131

COMMON NAME/TRADE NAME: HEAVY CREOSOTE DISTILLATE

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	30	30	30	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
3	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANKS #17 AND #33 OR POSSIBLY IN A RAIL CAR ON TRACK #3

UN/NA NO. (IF KNOWN)

3082

COMMON NAME/TRADE NAME: HELIUM

HAZARDOUS INGREDIENT HELIUM

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	3	10	10	20	365	L 2 4	2.2 6.3	007440-59-7
4	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (REQUIRED) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE

UN/NA NO. (IF KNOWN)

1046

COMMON NAME/TRADE NAME: HYDROGEN

HAZARDOUS INGREDIENT HYDROGEN

IN HIGHEST CONCENTRATION:

1	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	3	10	10	20	365	L 2 4	2.1	0001333-74-0
4	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (REQUIRED) CYLINDER MOUNTED ON SOUTH SIDE OF LABORATORY BLDG OUTSIDE

UN/NA NO. (IF KNOWN)

1049

COMMON NAME/TRADE NAME: LIGHT CREOSOTE DISTILLATE

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	30	30	30	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
3	1 - NO CHANGE									
	2 - NEW									
	3 - CHANGE MADE									
	4 - NO LONGER USED									

STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANKS #4 AND #23, OR POSSIBLY IN A RAIL CAR ON TRACK #3

UN/NA NO. (IF KNOWN)

3082

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

OSFMB131

COMMON NAME/TRADE NAME: METHYL SOLVENT CREOSOTE DISTILLATE

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

2	1. PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2. MIXTURE	2	2	30	30	30	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
1	1. NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2. NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3. CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4. NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANK #3 OR POSSIBLY IN A RAIL CAR ON TRACK #3										UN/NA NO. (IF KNOWN)
										3082

COMMON NAME/TRADE NAME: MOTOR OIL

HAZARDOUS INGREDIENT PETROLEUM HYDROCARBON

IN HIGHEST CONCENTRATION:

2	1. PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2. MIXTURE	2	2	04	04	10	365	D 1 4	4.5	64742-54-7
1	1. NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2. NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3. CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4. NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN OIL STORAGE ROOM IN MAINTENANCE SHOP, SOUTHEAST END OF BUILDING										UN/NA NO. (IF KNOWN)
										1270

COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE

HAZARDOUS INGREDIENT NAPHTHALENE

IN HIGHEST CONCENTRATION:

1	1. PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2. MIXTURE	2	2	30	30	30	365	Q 1 5	4.5 6.3	073665-18-6
3	1. NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2. NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3. CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4. NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANKS #34 AND #99, AND POSSIBLY IN A RAIL CAR ON TRACK #3										UN/NA NO. (IF KNOWN)
										1334

COMMON NAME/TRADE NAME: OXYGEN

HAZARDOUS INGREDIENT OXYGEN

IN HIGHEST CONCENTRATION:

1	1. PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2. MIXTURE	3	3	11	20	20	365	L 2 4	2.2 5.1	007782-44-7
3	1. NO CHANGE	[ ]	[2]	[04]	[11]	[11]	[ ]	[ ]	[ ]	[ ]
	2. NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3. CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4. NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) 6 CYLINDERS ON 3 CARTS IN REAR OF MAINTENANCE SHOP.										UN/NA NO. (IF KNOWN)
										1072

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

OSFMB131

COMMON NAME/TRADE NAME: **PERCHLOROETHYLENE**  
HAZARDOUS INGREDIENT **PERCHLOROETHYLENE**  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	03	03	03	365	D 1 4	6.3 6.4	000127-18-4
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
1	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

STORAGE LOCATIONS (REQUIRED) IN METAL DRUM OUTSIDE W END  
OF LAB

1897

COMMON NAME/TRADE NAME: **PETROLEUM PROCESS OIL, CALORIA HT**  
HAZARDOUS INGREDIENT **PETROOLEUM DISTILLATES**  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	20	20	20	365	A 1 5	4.5	[ ]
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
1	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

STORAGE LOCATIONS (REQUIRED) IN ABOVE GROUND EXPANSION TA  
NK NEXT TO TANK #65COMMON NAME/TRADE NAME: **PRIMING AND REFACTORY OIL**  
HAZARDOUS INGREDIENT **CREOSOTE**  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	2	2	20	20	20	365	A 1 4	4.5 6.5	65996-92-1
3	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
3	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

STORAGE LOCATIONS (REQUIRED) IN TANK FARM, TANK #19

3082

COMMON NAME/TRADE NAME: **PROPANE**  
HAZARDOUS INGREDIENT **PROPANE**  
IN HIGHEST CONCENTRATION:

2	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	3	2	04	04	10	365	L 2 6	2.1 6.3	000074-98-6
1	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
1	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

STORAGE LOCATIONS (REQUIRED) OUTSIDE IN THE REAR OF THE M  
AINTENANCE BUILDING, IN FORK LIFTS IN SAME ARE  
A, AND IN CANNISTERS AT TRACK #5 LOADING STATION.

1075

## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

OSFMB131

COMMON NAME/TRADE NAME: QUINOLINE REFINED

HAZARDOUS INGREDIENT QUINOLINE

IN HIGHEST CONCENTRATION:

2	1. PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2. MIXTURE	2	2	02	02	02	365	F 1 4	8.0	00091-22-5
1	1. NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2. NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3. CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4. NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN REAR OF LAB IN SAMPLE ROOM										UN/NA NO. (IF KNOWN)
M										1760

COMMON NAME/TRADE NAME: REFINED TAR

HAZARDOUS INGREDIENT HYDROCARBONS

IN HIGHEST CONCENTRATION:

2	1. PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2. MIXTURE	2	2	30	30	31	365	Q 1 5 A 1 5	4.2	0065996-93-2
3	1. NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2. NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3. CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4. NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) TANK CARS ON RAIL TRACK #3 AND TRACK #5, LOWER TANK FARM TANK #19.										UN/NA NO. (IF KNOWN)
IN TANK CARS ON TRACK #3 OR #5										3082

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE

HAZARDOUS INGREDIENT SODIUM HYDROXIDE

IN HIGHEST CONCENTRATION:

1	1. PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2. MIXTURE	1	1	10	10	11	365	I 1 4	8.0 6.3	0001310-73-2
1	1. NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2. NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3. CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4. NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN BOILER ROOM E END										UN/NA NO. (IF KNOWN)
										1823

COMMON NAME/TRADE NAME: SODIUM SULFITE

HAZARDOUS INGREDIENT SODIUM SULFITE

IN HIGHEST CONCENTRATION:

2	1. PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2. MIXTURE	1	1	10	10	11	365	I 1 4	6.3 5.1	0007757-83-7
1	1. NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	2. NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	3. CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
	4. NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
STORAGE LOCATIONS (REQUIRED) IN BOILER ROOM E END										UN/NA NO. (IF KNOWN)
										0000



## HAZARDOUS SUBSTANCE EMPLOYER SURVEY

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202

OSFMB131

COMMON NAME/TRADE NAME: TAR REFINED

HAZARDOUS INGREDIENT PETROLEUM HYDROCARBONS

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - MIXTURE	2	2	20	20	21	365	D 1 5	4.5 0	0065996-93-2
1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]

STORAGE LOCATIONS (REQUIRED) ON ASPHALT AT REAR OF MAINTENANCE SHOP AND NORTH OF TRACT #5 LOADING STATION.

UN/NA NO. (IF KNOWN):

3082

COMMON NAME/TRADE NAME: XYLENE

HAZARDOUS INGREDIENT XYLENE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 - MIXTURE	2	2	03	03	03	365	D 1 4 N 1 4	3.3 6.3	001330-20-7
1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]

STORAGE LOCATIONS (REQUIRED) IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB

UN/NA NO. (IF KNOWN):

1307

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]

STORAGE LOCATIONS (REQUIRED)

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]
4 - NO LONGER USED	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ] [ ]	[ ]

STORAGE LOCATIONS (REQUIRED)

UN/NA NO. (IF KNOWN):

July 10, 1995

DEPARTMENT OF  
STATE POLICE

OFFICE OF STATE  
FIRE MARSHAL

006202  
KOPPERS INDUSTRIES INC  
7540 NW ST HELENS RD  
PORTLAND, OR 97210-3663

SUBJECT: Reported Chemical Maximum Amount


SITE ADDRESS: 7540 NW ST HELENS RD, PORTLAND OR

In reviewing your file we found that you reported the above site as having the following chemical in excess of 999,999 pounds, gallons and/or cubic feet during the 1994-95 reporting period. Using the enclosed chart, please verify that this information is correct or write the correct quantity code on the line to the right of the appropriate chemical. The purpose of this inquiry is to ensure that overbilling, due to reporting errors, does not occur during the 1995 hazardous substance possession fee billing cycle.

<u>Chemical</u>	<u>Code</u>	<u>Quantity</u>	<u>Code Change</u>
COAL TAR PITCH	60	10,000,000 - 24,999,999	_____

☒ The above chemical information is correct.

☐ The above chemical information is NOT correct. (Make change in Code Change column above.)

 A. S. Kamere Plant Manager  
Signature Title

Please sign and return this letter to the Survey Section of the Office of State Fire Marshal by July 24, 1995. Please direct your questions to the Survey Information Hotline at (503) 378-6835.

**If we do not receive a response to this inquiry we will assume the above information is correct.**

7/17/95



4760 Portland Rd. NE  
Salem, OR 97305-1760  
(503) 378-3473

Koppers012200

# REPORTING QUANTITIES (AMOUNTS) AND CODES

CODE	FROM...	TO...
00	0	4
01	5	9
02	10	19
03	20	49
04	50	199
10	200	499
11	500	999
20	1,000	4,999
21	5,000	9,999
30	10,000	49,999
31	50,000	99,999
40	100,000	249,999
41	250,000	499,999
42	500,000	749,999
43	750,000	999,999
50	1,000,000	2,499,999
51	2,500,000	4,999,999
52	5,000,000	7,499,999
53	7,500,000	9,999,999
60	10,000,000	24,999,999
61	25,000,000	49,999,999
70	50,000,000	74,999,999
71	75,000,000	99,999,999
80	100,000,000	249,999,999
81	250,000,000	499,999,999
90	500,000,000	749,999,999
91	750,000,000	999,999,999
99	1 BILLION	HIGHER THAN 1 BILLION

RECEIVED

JUL 11 1995

KOPPERS INDS., INC.  
PORTLAND, OR

Koppers012202

1995-1996  
**OREGON STATE FIRE MARSHAL**  
**HAZARDOUS SUBSTANCE INFORMATION SURVEY**

Account Number  
006202

H

PLEASE TYPE CHANGES OR ADDITIONS IN THE APPROPRIATE AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

**SECTION A** HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

- ☒ YES ☐ NO Are there hazardous substances present at this site in reportable quantities?  
If yes, complete sections B, C and D. If no, complete sections B and C.
- ☐ YES ☒ NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?

**SECTION B** DEMOGRAPHIC DATA Complete, correct or add information in the bracketed area if it is not preprinted.

1. SIC CODE 1: **2865** DEFINITION: **CYCLIC CRUDES AND INTERMEDIATES-MFG**
2. SIC CODE 2: **0000** DEFINITION:
3. BUSINESS ACTIVITY: **CREOSOTE & COAL TAR PITCH TERMINAL**
4. DUNN & BRADSTREET #: **02-773-4359**
5. MANAGER'S NAME: **AMOS S KAMERER**
6. BUSINESS NAME: **KOPPERS INDUSTRIES INC** 7. DEPT. or DIV.: **TAR PRODUCTS**
8. SITE ADDRESS: **7540 NW ST HELENS RD** 9. MAILING ADDRESS: **7540 NW ST HELENS RD**
- CITY: **PORTLAND** CITY: **PORTLAND**
- COUNTY: **MULTNOMAH** COUNTY: **MULTNOMAH**
- STATE: **OR** ZIP CODE: **97210-3663** STATE: **OR** ZIP CODE: **97210-3663**
10. BUSINESS PHONE: **503-286-3681** 11. NUMBER OF EMPLOYEES AT THIS SITE: **11**
12. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: **AMOS S KAMERER** 13. EMERGENCY CONTACT PHONES:  
A. DAY **503-286-3681** NIGHT **503-246-8045**
14. RESPONSIBLE FIRE DEPARTMENT: **PORTLAND FIRE BUREAU**

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

15. ☒ YES ☐ NO EMERGENCY PLAN. IF YES: Location: \_\_\_\_\_
16. ☐ YES ☒ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT: i.e., sprinklered, halon system, etc.
17. ☒ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
18. ☐ YES ☒ NO ARE OTHER TYPES OF PLACARDS USED?

**SECTION C** PERSON COMPLETING FORM: THIS PERSON WILL BE CONTACTED TO ANSWER ANY QUESTIONS NEEDING CLARIFICATION.

1. PRINT NAME: Amos S. Kamerer
2. SIGNATURE (REQUIRED) 
3. DATE SURVEY COMPLETED: 2/1/96

**KOPPERS INDUSTRIES INC**  
**TAR PRODUCTS**  
**7540 NW ST HELENS RD**  
**PORTLAND OR 97210-3663**

CC: W.E.S. & J.E.M.

**RETAIN A COPY OF THIS SURVEY FOR 3 YEARS.**  
**PLEASE TYPE OR PRINT ALL ANSWERS. THANK - YOU!**

**SECTION D**SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

006202

H

OSFMB131

COMMON NAME/TRADE NAME: ACETONE  
HAZARDOUS INGREDIENT ACETONE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	2	2	01	01	01	365	F 1 4	3.1 6.3	0000067-64-1
2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE IN LAB AT W END OF BLDG									UN/NA NO. (IF KNOWN)
									1090
									[ ]

COMMON NAME/TRADE NAME: ACETYLENE  
HAZARDOUS INGREDIENT ACETYLENE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	3	3	10	10	20	365	L 2 4	2.1	0000074-86-2
2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE IN MAINTENANCE SHOP IN REAR OF BLDG. 2 CYLINDERS ON 2 PORTABLE CARTS IN FRONT OF SHOP INSIDE									UN/NA NO. (IF KNOWN)
									1001
									[ ]

COMMON NAME/TRADE NAME: COAL TAR PITCH  
HAZARDOUS INGREDIENT PYRENE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	2	2	41	42	50	365	A 1 5	4.5 0	0065996-93-2
2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ 51 ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE IN TANK FARM, TANK'S #65 AND #68.									UN/NA NO. (IF KNOWN)
									3082
									[ 3257 ]

COMMON NAME/TRADE NAME: COAL TAR PITCH  
HAZARDOUS INGREDIENT PYRENE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	1	1	53	60	61	365	R 1 4	4.5 0	0065996-93-2
2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE PITCH STORAGE BUILDINGS									UN/NA NO. (IF KNOWN)
									3082
									[ 3077 ]

**SECTION D**SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202  
H

OSFMB131

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT COAL TAR PITCH VOLATILES

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE	2	2	10	10	20	365	D 1 4 F 1 4	4.5 6.3	
1 1 - NO CHANGE									
1 2 - NEW									
1 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE LAB IN REAR SAMPLE ROOM, AND ON ASPHALT IN REAR OF MAINTENANCE SHOP									UN/NA NO. (IF KNOWN)
									3082
									[ ]

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT COAL TAR PITCH VOLATILES

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE	2	2	40	40	50	365	A 1 5 Q 1 5	4.5 6.3	
3 1 - NO CHANGE									
3 2 - NEW									
3 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ 41 ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
3 4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #20, #39 AND #67, OR POSSIBLY IN A RAIL CAR ON TRACK #3.									UN/NA NO. (IF KNOWN)
									3082
									[ ]

COMMON NAME/TRADE NAME: DIESEL #2

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE									
1 2 - MIXTURE	2	2	04	10	11	365	E 1 4	3.3 6.4	0068476-34-6
3 1 - NO CHANGE									
3 2 - NEW									
3 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ 20 ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
3 4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE IN PLASTIC DRUMS JUST IN FRONT OF MAINTENANCE SHOP OUTSIDE									UN/NA NO. (IF KNOWN)
									1993
									[ ]

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT PETROLEUM DISTILLATES

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE									
2 2 - MIXTURE	2	2	02	02	10	365	N 1 4 F 1 4	3.1 6.3	0008006-61-9
3 1 - NO CHANGE									
3 2 - NEW									
3 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ 04 ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
3 4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE IN OIL STORAGE ROOM IN MAINTENANCE SHOP, IN LOCKERS WITH CLOSED DOORS SE E AND OF BUILDING									UN/NA NO. (IF KNOWN)
									1203
									[ ]

**SECTION D**SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS

006202

H

OSFMB131

COMMON NAME/TRADE NAME: **HEAVY CREOSOTE DISTILLATE**  
HAZARDOUS INGREDIENT **CREOSOTE**  
IN HIGHEST CONCENTRATION:

<b>2</b>	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	<b>2</b>	<b>2</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>365</b>	<b>A 1 5</b> <b>Q 1 5</b>	<b>4.5 6.5</b>	<b>65996-92-1</b>
<b>1</b>	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE <b>IN TANK FARM, TANKS #17 AND #33 OR POSSIBLY IN A RAIL CAR ON TRACK #3</b>										UN/NA NO. (IF KNOWN) <b>3082</b>

COMMON NAME/TRADE NAME: **LIGHT CREOSOTE DISTILLATE**  
HAZARDOUS INGREDIENT **CREOSOTE**  
IN HIGHEST CONCENTRATION:

<b>2</b>	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	<b>2</b>	<b>2</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>365</b>	<b>A 1 5</b> <b>Q 1 5</b>	<b>4.5 6.5</b>	<b>65996-92-1</b>
<b>1</b>	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE <b>IN TANK FARM, TANKS #4 AND #23, OR POSSIBLY IN A RAIL CAR ON TRACK #3</b>										UN/NA NO. (IF KNOWN) <b>3082</b>

COMMON NAME/TRADE NAME: **METHYL SOLVENT CREOSOTE DISTILLATE**  
HAZARDOUS INGREDIENT **CREOSOTE**  
IN HIGHEST CONCENTRATION:

<b>2</b>	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	<b>2</b>	<b>2</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>365</b>	<b>A 1 5</b> <b>Q 1 5</b>	<b>4.5 6.5</b>	<b>65996-92-1</b>
<b>1</b>	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE <b>IN TANK FARM, TANK #3 OR POSSIBLY IN A RAIL CAR ON TRACK #3</b>										UN/NA NO. (IF KNOWN) <b>3082</b>

COMMON NAME/TRADE NAME: **MOTOR OIL**  
HAZARDOUS INGREDIENT **PETROLEUM HYDROCARBON**  
IN HIGHEST CONCENTRATION:

<b>2</b>	1 - PURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2 - MIXTURE	<b>2</b>	<b>2</b>	<b>04</b>	<b>04</b>	<b>10</b>	<b>365</b>	<b>D 1 4</b>	<b>4.5</b>	<b>64742-54-7</b>
<b>1</b>	1 - NO CHANGE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	2 - NEW	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
	4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE <b>IN OIL STORAGE ROOM IN MAINTENANCE SHOP, SOUTHEAST END OF BUILDING</b>										UN/NA NO. (IF KNOWN) <b>1270</b>



**SECTION D**SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202  
H

OSFMB131

COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE  
HAZARDOUS INGREDIENT NAPHTHALENE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	2	2	30	30	30	365	Q 1 5	4.5 6.3	073665-18-6
2 - MIXTURE									
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #34 AND #99, AND POSSIBLY IN A RAIL CAR ON TRACT #3/IN TANK FARM/TANKS #34 AND #102 AND POSSIBLE IN A RAILCAR ON TRACK #3									UN/NA NO. (IF KNOWN)
									1334
									[ 3082 ]

COMMON NAME/TRADE NAME: OXYGEN  
HAZARDOUS INGREDIENT OXYGEN  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	3	2	04	11	11	365	L 2 4	2.2 5.1	007782-44-7
2 - MIXTURE									
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE 6 CYLINDERS ON 3 CARTS IN REAR OF MAINTENANCE SHOP.									UN/NA NO. (IF KNOWN)
									1072
									[ ]

COMMON NAME/TRADE NAME: PERCHLOROETHYLENE  
HAZARDOUS INGREDIENT PERCHLOROETHYLENE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	2	2	03	03	03	365	B 1 4	6.3 6.4	000127-18-4
2 - MIXTURE									
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END OF LAB									UN/NA NO. (IF KNOWN)
									1897
									[ ]

COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CALORIA HT  
HAZARDOUS INGREDIENT PETROOLEUM DISTILLATES  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	2	2	20	20	20	365	A 1 5	4.5	
2 - MIXTURE									
1 - NO CHANGE									
2 - NEW									
3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE IN ABOVE GROUND EXPANSION TANK NEXT TO TANK #65									UN/NA NO. (IF KNOWN)
									[ ]

**SECTION D**SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202  
H

OSFMB131

COMMON NAME/TRADE NAME: PRIMING AND REFRATORY OIL

HAZARDOUS INGREDIENT CREOSOTE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	2	2	20	20	20	365	A 1 4	4.5 6.5	65996-92-1
2 2 - MIXTURE									
1 1 - NO CHANGE									
1 2 - NEW									
1 3 - CHANGE MADE									
1 4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #19 AND IN DRUMS BEHIND MAINTENANCE SHOP									UN/NA NO. (IF KNOWN)
									3082

COMMON NAME/TRADE NAME: PROPANE

HAZARDOUS INGREDIENT PROPANE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	3	2	04	04	10	365	L 2 6	2.1 6.3	000074-98-6
2 2 - MIXTURE									
1 1 - NO CHANGE									
1 2 - NEW									
1 3 - CHANGE MADE									
1 4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE OUTSIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME AREA, AND IN CANNISTERS AT TRACK #5 LOADING STATION.									UN/NA NO. (IF KNOWN)
									1075

COMMON NAME/TRADE NAME: QUINOLINE REFINED

HAZARDOUS INGREDIENT QUINOLINE

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	2	2	02	02	02	365	F 1 4	8.0	00091-22-5
2 2 - MIXTURE									
1 1 - NO CHANGE									
1 2 - NEW									
1 3 - CHANGE MADE									
1 4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE IN REAR OF LAB IN SAMPLE ROOM									UN/NA NO. (IF KNOWN)
									1760

COMMON NAME/TRADE NAME: REFINED TAR

HAZARDOUS INGREDIENT HYDROCARBONS

IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	2	2	30	30	40	365	A 1 5	4.2	0065996-93-2
2 2 - MIXTURE									
1 1 - NO CHANGE									
1 2 - NEW									
1 3 - CHANGE MADE									
1 4 - NO LONGER REPORTABLE									
STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR #5									UN/NA NO. (IF KNOWN)
									3082
									3257

**SECTION D**SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE BRACKETED AREAS 006202  
H

OSFMB131

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE  
HAZARDOUS INGREDIENT SODIUM HYDROXIDE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 1 - PURE	1	1	10	10	11	365	1 1 4	8.0 6.3	0001310-73-2
1 2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE IN BOILER ROOM E END									UN/NA NO. (IF KNOWN)
									1823
									[ ]

COMMON NAME/TRADE NAME: SODIUM SULFITE  
HAZARDOUS INGREDIENT SODIUM SULFITE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	1	1	10	10	11	365	1 1 4	6.3 5.1	0007757-83-7
2 2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE IN BOILER ROOM E END									UN/NA NO. (IF KNOWN)
									0000
									[ ]

COMMON NAME/TRADE NAME: TAR REFINED  
HAZARDOUS INGREDIENT PETROLEUM HYDROCARBONS  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	2	2	20	20	21	365	1 1 5	4.5 0	0065996-93-2
2 2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE ON ASPHALT AT REAR OF MAINTENANCE SHOP AND NORTH OF TRACT #5 LOADING STATION.									UN/NA NO. (IF KNOWN)
									3082
									[ ]

COMMON NAME/TRADE NAME: XYLENE  
HAZARDOUS INGREDIENT XYLENE  
IN HIGHEST CONCENTRATION:

	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE	2	2	03	03	03	365	N 1 4	3.3 6.3	001330-20-7
2 2 - MIXTURE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 3 - CHANGE MADE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
1 4 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ . ] [ . ]	[ ]
STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB									UN/NA NO. (IF KNOWN)
									1307
									[ ]

**Due Date: March 1, 1997**

FCRM  
COMPANY

1996-1997

Facility ID Number 006202

**OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY**

PLEASE TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

**SECTION A HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

- ☒ YES ☐ NO Are there hazardous substances present at this site in reportable quantities?  
**If yes**, complete sections B, C, and D. **If no**, complete sections B and C.
- ☐ YES ☒ NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?

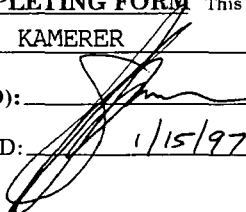
**SECTION B DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND INTERMEDIATES
2. SIC CODE 2: DEFINITION:
3. BUSINESS ACTIVITY: CREOSOTE & COAL TAR PITCH TERMINAL
4. DUN & BRADSTREET #: 02-773-4359
5. MANAGER'S NAME: AMOS S KAMERER
6. SEND TO ATTENTION OF: AMOS S. KAMERER
7. BUSINESS NAME: KOPPERS INDUSTRIES INC
8. DEPT OR DIV: TAR PRODUCTS
9. SITE ADDRESS:  
7540 NW ST HELENS RD  
CITY: PORTLAND  
COUNTY: MULTNOMAH  
STATE: OR ZIP CODE: 97210-3663
10. MAILING ADDRESS:  
7540 NW ST HELENS RD  
CITY: PORTLAND  
COUNTY: MULTNOMAH  
STATE: OR ZIP CODE: 97210-3663
11. BUSINESS PHONE: 503-286-3681
12. NUMBER OF EMPLOYEES AT THIS SITE: 11
13. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: AMOS S KAMERER
14. EMERGENCY CONTACT PHONES:  
DAY 503-286-3681 NIGHT 503-246-8045
15. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

**SPECIAL FIRE DEPARTMENT INFORMATION** This section is for information the fire service needs to know in case of an emergency.

16. ☒ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, LOCATION: OFFICE, MELTER CONTROL ROOM
17. ☐ YES ☒ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
18. ☒ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
19. ☐ YES ☒ NO ARE OTHER TYPES OF PLACARDS USED?

**SECTION C PERSON COMPLETING FORM** This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: AMOS S. KAMERER
2. SIGNATURE (REQUIRED):  KOPPERS INDUSTRIES INC  
TAR PRODUCTS  
7540 NW ST HELENS RD  
PORTLAND OR 97210-3663
3. DATE SURVEY COMPLETED: 1/15/97

CC: WES  
JEM

**RETAIN A COPY OF THIS SURVEY FOR 3 YEARS  
PLEASE TYPE OR PRINT ALL ANSWERS. THANK-YOU**

OSFMB13

Koppers012210

FORM  
CHEMICAL1996-1997 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

## SECTION D

COMMON NAME/TRADE NAME: ACETONE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: ACETONE

1 1. PURE 2. MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	01	01	01	365	F 1 4	3.2 6.3	0000067-64-1
2 1. NEW 2. NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
									1090

STORAGE LOCATIONS AT SITE IN LAB AT W END OF BLDG

COMMON NAME/TRADE NAME: ACETYLENE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: ACETYLENE

1 1. PURE 2. MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	3	3	10	10	20	365	L 2 4	2.1 6.3	0000074-86-2
2 1. NEW 2. NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
									1001

STORAGE LOCATIONS AT SITE IN MAINTENANCE SHOP IN REAR OF BLDG. 2 CYLINDERS ON 2 PORTABLE CARTS IN FRONT OF SHOP INSIDE

COMMON NAME/TRADE NAME: COAL TAR PITCH  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PYRENE

1 1. PURE 2. MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	1	1	53	60	61	365	R 1 4	4.5 6.4	0065996-93-2
2 1. NEW 2. NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
									3077

STORAGE LOCATIONS AT SITE PITCH STORAGE BUILDINGS

COMMON NAME/TRADE NAME: COAL TAR PITCH  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PYRENE

2 1. PURE 2. MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	41	42	51	365	A 1 5	4.5 6.4	0065996-93-2
2 1. NEW 2. NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
									3077

STORAGE LOCATIONS AT SITE IN TANK FARM, TANK'S #65 AND #68

OSFMB131

Koppers012211

FORM  
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number

006202

SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILES

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	10	10	20	365	D 1 4 F 1 4	4.5 6.3	0008001-58-9	
	1 - NEW 2 - NO LONGER REPORTABLE									
										UN/NA NO. (IF KNOWN)
										3082

STORAGE LOCATIONS AT SITE LAB IN REAR SAMPLE ROOM, AND ON ASPHALT IN REAR OF MAINTENANCE SHOP

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILES

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	40	40	51	365	A 1 5 Q 1 5	4.5 6.3	0008001-58-9	
	1 - NEW 2 - NO LONGER REPORTABLE									
										UN/NA NO. (IF KNOWN)
										3082

STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #20, #39 AND #67, OR POSSIBLY IN A RAIL CAR ON TRACK #3

COMMON NAME/TRADE NAME: DIESEL #2

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

1	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	04	10	20	365	E 1 4	3.3 6.4	0068476-34-6	
	1 - NEW 2 - NO LONGER REPORTABLE									
										UN/NA NO. (IF KNOWN)
										1993

STORAGE LOCATIONS AT SITE IN PLASTIC DRUMS JUST IN FRONT OF MAINTENANCE SHOP OUTSIDE

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	02	02	04	365	N 1 4 F 1 4	3.1 6.3	0008006-61-9	
	1 - NEW 2 - NO LONGER REPORTABLE									
										UN/NA NO. (IF KNOWN)
										1203

STORAGE LOCATIONS AT SITE IN OIL STORAGE ROOM IN MAINTENANCE SHOP, IN LOCKERS WITH CLOSED DOORS SE EN OF BUILDING

OSFMB131

Koppers012212

## SECTION D

COMMON NAME/TRADE NAME: HEAVY CREOSOTE DISTILLATE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: CREOSOTE

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input checked="" type="checkbox"/> 2 - MIXTURE	2	30	30	30	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE								
STORAGE LOCATIONS AT SITE								UN/NA NO. (IF KNOWN)
IN TANK FARM, TANKS #17 AND #33 OR POSSIBLY IN A RAIL CAR ON TRACK #3								3082

COMMON NAME/TRADE NAME: LIGHT CREOSOTE DISTILLATE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: CREOSOTE

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input checked="" type="checkbox"/> 2 - MIXTURE	2	30	30	30	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE								
STORAGE LOCATIONS AT SITE								UN/NA NO. (IF KNOWN)
IN TANK FARM, TANKS #4 AND #23, OR POSSIBLY IN A RAIL CAR ON TRACK #3								3082

COMMON NAME/TRADE NAME: METHYL SOLVENT CREOSOTE DISTILLATE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: CREOSOTE

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input checked="" type="checkbox"/> 2 - MIXTURE	2	30	30	30	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE								
STORAGE LOCATIONS AT SITE								UN/NA NO. (IF KNOWN)
IN TANK FARM, TANK #3 OR POSSIBLY IN A RAIL CAR ON TRACK #3								3082

COMMON NAME/TRADE NAME: MOTOR OIL  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: HIGHLY REFINED BASE OILS

PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	2	04	04	10	365	D 1 4	4.5	0064742-54-7
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE								
STORAGE LOCATIONS AT SITE								UN/NA NO. (IF KNOWN)
IN OIL STORAGE ROOM IN MAINTENANCE SHOP, SOUTHEAST END OF BUILDING								1270

## SECTION D

COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: NAPHTHALENE

1 - PURE 2 - MIXTURE [ ]	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	30	30	30	365	2 1 5	4.5 6.3	073665-18-6
1 - NEW 2 - NO LONGER REPORTABLE [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	UN/NA NO. (IF KNOWN)
	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	3082

STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #34 AND #99, AND POSSIBLY IN A RAIL CAR ON TRACT #3/IN TANK FARM/TANKS #34 AND #102 AND POSSIBLE IN A RAILCAR ON TRACK #3

COMMON NAME/TRADE NAME: OXYGEN  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: OXYGEN

1 - PURE 2 - MIXTURE [ ]	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	3	2	04	11	11	365	L 2 4	2.2 5.1	007782-44-7
1 - NEW 2 - NO LONGER REPORTABLE [ ]	[ ]	[3]	[11]	[ ]	[20]	[ ]	[ ]	[ ]	UN/NA NO. (IF KNOWN)
	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	1072

STORAGE LOCATIONS AT SITE 6 CYLINDERS ON 3 CARTS IN REAR OF MAINTENANCE SHOP.

COMMON NAME/TRADE NAME: PERCHLOROETHYLENE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE

1 - PURE 2 - MIXTURE [ ]	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	03	03	03	365	D 1 4	6.3 6.4	0000127-18-4
1 - NEW 2 - NO LONGER REPORTABLE [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	UN/NA NO. (IF KNOWN)
	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	1897

STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END OF LAB

COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CALORIA HT  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

1 - PURE 2 - MIXTURE [ ]	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	20	20	20	365	A 1 5	4.5	[ ]
1 - NEW 2 - NO LONGER REPORTABLE [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	UN/NA NO. (IF KNOWN)
	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

STORAGE LOCATIONS AT SITE IN ABOVE GROUND EXPANSION TANK NEXT TO TANK #65



## SECTION D

COMMON NAME/TRADE NAME: PRIMING AND REFACTORY OIL  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: CREOSOTE

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	20	20	20	365	A 1 4	4.5 6.5	65996-92-1	
	1 - NEW 2 - NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
										3082

STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #19 AND 1 N DRUMS BEHIND MAINTENANCE SHOP

COMMON NAME/TRADE NAME: PROPANE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PROPANE

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	3	2	04	04	10	365	L 2 6	2.1 6.3	0000074-98-6	
	1 - NEW 2 - NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
										1075

STORAGE LOCATIONS AT SITE OUTSIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME AREA, AND IN CANNISTERS AT TRACK #5 LOADING STATION.

COMMON NAME/TRADE NAME: QUINOLINE REFINED  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: QUINOLINE

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	02	02	02	365	F 1 4	8.0	00091-22-5	
	1 - NEW 2 - NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
										1760

STORAGE LOCATIONS AT SITE IN REAR OF LAB IN SAMPLE ROOM

COMMON NAME/TRADE NAME: REFINED TAR  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: HYDROCARBONS

2	1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	30	30	40	365	Q 1 5 A 1 5	4.2	0065996-93-2	
	1 - NEW 2 - NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
										3257

STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR #5

## SECTION D

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

CORROSIVE

1 1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	1	1	10	10	11	365	1 1 4	8.0 6.3	0001310-73-2
2 1 - NEW 2 - NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
									1823

STORAGE LOCATIONS AT SITE IN BOILER ROOM E END

COMMON NAME/TRADE NAME: SODIUM SULFITE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: SODIUM SULFITE

IRRITANT

2 1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	1	1	10	10	11	365	1 1 4	6.3	0007757-83-7
2 1 - NEW 2 - NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
									0000

STORAGE LOCATIONS AT SITE IN BOILER ROOM E END

COMMON NAME/TRADE NAME: TAR REFINED  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBONS

2 1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	20	20	21	365	0 1 5	4.5 0	0065996-93-2
2 1 - NEW 2 - NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
									3082

STORAGE LOCATIONS AT SITE ON ASPHALT AT REAR OF MAINTENANCE SHOP AND NORTH OF TRACT #5 LOADING STATION.

COMMON NAME/TRADE NAME: XYLENE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: XYLENE

2 1 - PURE 2 - MIXTURE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
	2	2	03	03	03	365	0 1 4 N 1 4	3.2 6.3	0001330-20-7
2 1 - NEW 2 - NO LONGER REPORTABLE									UN/NA NO. (IF KNOWN)
									1307

STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB

1DATE: 110698

## KOPPERS INDUSTRIES INC.

PAGE: 0020

CARBON MATERIALS &amp; CHEM. DIVSN

MONTH TO DATE NET SALES BY PLANT

FOR THE PERIOD OCTOBER '98

PROGRAM ID SLRIP0740

1PLANT : 9270 NORTHWEST TAR

1COMMODITY

	MONTH-TO-DATE			YEAR-TO-DATE			PRIOR YEAR-TO-DATE		
	QUANTITY	AMOUNT	RATE	QUANTITY	AMOUNT	RATE	QUANTITY	AMOUNT	RATE
100000000	0	0	0.0000	0	0	0.0000	0	0	0.0000
100000000 P1/P13	238.820	32.766	0.1380	2,037.230	300.380	0.1474	2,624.515	382.328	0.1077
117300001	0	1.016	0.0000	471.000	38.661	0.0820	0	0	0.0000
117340001	10	90	9.0000	2,505	3,791	1.5133	0	0	0.0000
117340001	0	0	0.0000	330	2,952	8.9454	2,585	21,684	8.3883
117340001	0	1.037	0.0000	632,540	99,477	0.1572	739,080	121,274	0.1536
117340001	1,650	710	0.4303	12,650	5,446	0.4305	121,190	46,801	0.3861
117340001	0	0	0.0000	0	0	0.0000	434,130	104,327	0.2471
117340001	0	0	0.0000	0	2	0.0000	68	1,360	20.0000
117340001	1,191	100,474	84.3610	16,965	1,272,609	75.0137	0	0	0.0000
117340001	0	0	0.0000	0	7,251	0.0000	533,144	81,866	0.1535
117340001	2,034,900	257,445	0.1265	12,037,740	1,560,851	0.1276	7,460,740	943,896	0.1265
117340001	0	0	0.0000	87,840	12,570	0.1399	0	0	0.0000
117340001	4,134,339	662,176	0.1601	49,813,600	7,936,453	0.1603	47,597,130	7,604,350	0.1533
117340001	2,491,100	392,208	0.1574	2,491,100	387,720	0.1556	12,104,654	1,901,145	0.1570
117340001	0	0	0.0000	0	0	0.0000	1,003,640	117,941	0.1169
117340001	120,540	18,149	0.1500	1,155,980	173,068	0.1497	1,555,240	235,974	0.1479
117340001	0	0	0.0000	0	0	0.0000	1	10	10.0000
117340001	5,258	13	0.0024	47,865	119	0.0024	109,477	272	0.0024
117340001	0	0	0.0000	0	31	0.0000	0	150	0.0000
PLANT TOTAL		1,462,128			11,836,817			11,464,313	

**Due Date: NOVEMBER 30, 1998****1997-1998**Facility ID Number  
**006202****OREGON STATE FIRE MARSHAL****HAZARDOUS SUBSTANCE INFORMATION SURVEY**PLEASE TYPE OR PRINT ONLY CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.**SECTION A HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

- ☒ YES ☐ NO Are there hazardous substances present at this site in reportable quantities?  
**If yes**, complete sections A, B, C, and D. **If no**, complete sections A, B and C.  
 A hazardous substance is any substance for which a Material Safety Data Sheet (MSDS) is required. If a previously reported substance is no longer present, see instructions for Section A.
- ☐ YES ☒ NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?
- ☐ YES ☒ NO Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?

**SECTION B DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.1. SIC CODE 1: **2865** DEFINITION: **CYCLIC CRUDES AND INTERMEDIATES**

2. SIC CODE 2: DEFINITION:

3. BUSINESS ACTIVITY:

**CREOSOTE & COAL TAR PITCH TERMINAL**4. DUN & BRADSTREET #: **02-773-4359**5. MANAGER'S NAME: **AMOS S KAMERER**6. SEND TO ATTENTION OF: **AMOS S KAMERER**

7. E-MAIL ADDRESS:

**amos\_kamerer@koppers.com**8. BUSINESS NAME: **KOPPERS INDUSTRIES INC**

9. DEPT OR DIV:

10. SITE ADDRESS:

**7540 NW ST HELENS RD**CITY: **PORTLAND**COUNTY: **MULTNOMAH**STATE: **OR** ZIP CODE: **97210-3663**

11. MAILING ADDRESS:

**7540 NW ST HELENS RD**CITY: **PORTLAND**COUNTY: **MULTNOMAH**STATE: **OR** ZIP CODE: **97210-3663**12. BUSINESS PHONE: **503-286-3681**13. NUMBER OF EMPLOYEES AT THIS SITE: **11**14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: **AMOS S KAMERER**15. EMERGENCY CONTACT PHONES:  
DAY **503-286-3681** NIGHT **503-246-8041**16. RESPONSIBLE FIRE DEPARTMENT: **PORTLAND FIRE BUREAU****SPECIAL FIRE DEPARTMENT INFORMATION**

This section is for information the fire service needs to know in case of an emergency.

17. ☒ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, LOCATION: **Office, melter control room**
18. ☐ YES ☒ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☒ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☐ YES ☒ NO ARE OTHER TYPES OF PLACARDS USED?

**SECTION C PERSON COMPLETING FORM**

This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: **Amcs S. Kamerer**

2. SIGNATURE (REQUIRED):

3. DATE SURVEY COMPLETED: **11/18/98****AMOS S KAMERER  
KOPPERS INDUSTRIES INC****7540 NW ST HELENS RD  
PORTLAND OR 97210-3663**CC: T. SELF  
J. MARCINOWSKI**RETAIN A COPY OF THIS SURVEY FOR 3 YEARS  
PLEASE TYPE OR PRINT ALL ANSWERS. THANK-YOU**

FORM  
CHEMICAL1997-1998 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SECTION D  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

COMMON NAME/TRADE NAME: ACETONE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: ACETONE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE 2 - MIXTURE [ ]	2	2	01	01	[ ]	[ ]	365	F 1 4	3.2 6.3	0000067-64-1
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[01]	[00]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
STORAGE LOCATIONS AT SITE										UN/NA NO. (IF KNOWN)

IN LAB AT W END OF BLDG

1090

COMMON NAME/TRADE NAME: ACETYLENE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: ACETYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE 2 - MIXTURE [ ]	3	3	11	11	[ ]	[ ]	365	L 2 4	2.1 6.3	0000074-86-2
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[11]	[00]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
STORAGE LOCATIONS AT SITE										UN/NA NO. (IF KNOWN)

IN MAINTENANCE SHOP IN REAR  
OF BLDG. 2 CYLINDERS ON 2 PORTABLE CARTS IN FR  
ONT OF SHOP INSIDE

1001

COMMON NAME/TRADE NAME: COAL TAR PITCH

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PYRENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE 2 - MIXTURE [ ]	1	1	53	60	[ ]	[ ]	365	R 1 4	4.5 6.4	0065996-93-2
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[60]	[60]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
STORAGE LOCATIONS AT SITE										UN/NA NO. (IF KNOWN)

PITCH STORAGE BUILDINGS

3077

COMMON NAME/TRADE NAME: COAL TAR PITCH

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PYRENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 - MIXTURE 1 - PURE [ ]	2	2	41	42	[52]	[52]	365	A 1 5	4.5 6.4	0065996-93-2
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[52]	[52]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
STORAGE LOCATIONS AT SITE										UN/NA NO. (IF KNOWN)

IN TANK FARM, TANK'S #65 AND

#68

3077

FORM  
CHEMICAL

1997-1998 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

SECTION D

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2	2	2	10	10			365	D 1 4 F 1 4	4.5 6.3	0008001-58-9
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE					[00]	[00]				
STORAGE LOCATIONS AT SITE										UN/NA NO. (IF KNOWN)

LAB IN REAR SAMPLE ROOM, AND  
ON ASPHALT IN REAR OF MAINTENANCE SHOP

3082

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2	2	2	31	40			365	A 1 5 Q 1 5	4.5 6.3	0008001-58-9
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE				[41]	[41]	[41]				
STORAGE LOCATIONS AT SITE										UN/NA NO. (IF KNOWN)

IN TANK FARM, TANKS #20, #39  
AND #67, OR POSSIBLY IN A RAIL CAR ON TRACK #3

3082

COMMON NAME/TRADE NAME: DIESEL #2

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1	2	2	04	04			365	E 1 4	3.3 6.4	0068476-34-6
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE					[20]	[00]				
STORAGE LOCATIONS AT SITE										UN/NA NO. (IF KNOWN)

IN PLASTIC DRUMS JUST IN FRONT OF MAINTENANCE SHOP OUTSIDE

1993

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2	2	2	02	02			365	N 1 4 F 1 4	3.1 6.3	0008006-61-9
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE					[10]	[00]				
STORAGE LOCATIONS AT SITE										UN/NA NO. (IF KNOWN)

IN OIL STORAGE ROOM IN MAINTENANCE SHOP, IN LOCKERS WITH CLOSED DOORS SE E  
ND OF BUILDING

1203

FORM  
CHEMICAL1997-1998 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SECTION D  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

COMMON NAME/TRADE NAME: HEAVY CREOSOTE DISTILLATE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: CREOSOTE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE [ 1 ]	2	2	30	30	[ 30 ]	[ 00 ]	365	A 1 5 Q 1 5	4.5 6.5	0065996-92-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ 30 ]	[ 00 ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]

STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #17 AND #33 OR POSSIBLY IN A RAIL CAR ON TRACK #3

UN/NA NO. (IF KNOWN)

3082

COMMON NAME/TRADE NAME: LIGHT CREOSOTE DISTILLATE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: CREOSOTE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE [ 1 ]	2	2	30	30	[ 30 ]	[ 00 ]	365	A 1 5 Q 1 5	4.5 6.5	0065996-92-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ 30 ]	[ 00 ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]

STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #4 AND #23, OR POSSIBLY IN A RAIL CAR ON TRACK #3

UN/NA NO. (IF KNOWN)

3082

COMMON NAME/TRADE NAME: METHYL SOLVENT CREOSOTE DISTILLATE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: CREOSOTE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE [ 2 ]	2	2	30	30	[ 30 ]	[ 00 ]	365	A 1 5 Q 1 5	4.5 6.5	0065996-92-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ 30 ]	[ 00 ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]

STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #3 OR POSSIBLY IN A RAIL CAR ON TRACK #3

UN/NA NO. (IF KNOWN)

3082

COMMON NAME/TRADE NAME: MOTOR OIL  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: HIGHLY REFINED BASE OILS

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE [ 2 ]	2	2	04	04	[ 04 ]	[ 00 ]	365	D 1 4	4.5	0064742-54-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ 04 ]	[ 00 ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]

STORAGE LOCATIONS AT SITE IN OIL STORAGE ROOM IN MAINTENANCE SHOP, SOUTHEAST END OF BUILDING

UN/NA NO. (IF KNOWN)

1270



FORM  
CHEMICAL1997-1998 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

## SECTION D

COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: NAPHTHALENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	30	30			365	Q 1 5	4.5 6.3	0073665-18-6
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW					30	00				
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #34 AND #99, AND POSSIBLY IN A RAIL CAR ON TRACT #3/IN TANK FARM/TANKS #34 AND #102 AND POSSIBLE IN A RAILCAR ON TRACK #3										UN/NA NO. (IF KNOWN)
										3082

COMMON NAME/TRADE NAME: OXYGEN  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: OXYGEN

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	3	3	11	11			365	L 2 4	2.2 5.1	0007782-44-7
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW					11	00				
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE 6 CYLINDERS ON 3 CARTS IN REAR OF MAINTENANCE SHOP.										UN/NA NO. (IF KNOWN)
										1072

COMMON NAME/TRADE NAME: PERCHLOROETHYLENE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	03	03			365	D 1 4	6.3 6.4	0000127-18-4
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW					00	00				
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END OF LAB										UN/NA NO. (IF KNOWN)
										1897

COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CALORIA HT  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	20	20			365	A 1 5	4.5	
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW					10	00				
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE IN ABOVE GROUND EXPANSION TANK NEXT TO TANK #65										UN/NA NO. (IF KNOWN)



FORM  
CHEMICAL1997-1998 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SECTION D  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

COMMON NAME/TRADE NAME: PRIMING AND REFACTORY OIL  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: CREOSOTE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE 2 - MIXTURE	2	2	20	20	[20]	[00]	365	A 1 4	4.5 6.5	0065996-92-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #19 AND 1 N DRUMS BEHIND MAINTENANCE SHOP										UN/NA NO. (IF KNOWN)

3082

COMMON NAME/TRADE NAME: PROPANE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PROPANE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE 2 - MIXTURE	3	2	04	04	[20]	[00]	365	L 2 6	2.1 6.3	0000074-98-6
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE OUTSIDE IN THE REAR OF THE M AINTENANCE BUILDING, IN FORK LIFTS IN SAME ARE A, AND IN CANNISTERS AT TRACK #5 LOADING STATION.										UN/NA NO. (IF KNOWN)

1075

COMMON NAME/TRADE NAME: QUINOLINE REFINED  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: QUINOLINE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE 2 - MIXTURE	2	2	02	02	[02]	[00]	365	F 1 4	8.0	0000091-22-5
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE IN REAR OF LAB IN SAMPLE R00										UN/NA NO. (IF KNOWN)

1760

COMMON NAME/TRADE NAME: REFINED TAR  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: HYDROCARBONS

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2 1 - PURE 2 - MIXTURE	2	2	30	30	[30]	[00]	365	Q 1 5 A 1 5	4.2	0065996-93-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR										UN/NA NO. (IF KNOWN)

3257

FORM  
CHEMICAL1997-1998 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number:

006202

## SECTION D

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	1	1	10	10			365	1 1 4	8.0 6.3	0001310-73-2
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW					10	00				
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE								UN/NA NO. (IF KNOWN)		

IN BOILER ROOM E END

1823

COMMON NAME/TRADE NAME: SODIUM SULFITE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: SODIUM SULFITE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 - MIXTURE	1	1	10	10			365	1 1 4	9.0	0007757-83-7
<input type="checkbox"/> 1 - PURE										
<input type="checkbox"/> 1 - NEW					10	00				
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE								UN/NA NO. (IF KNOWN)		

IN BOILER ROOM E END

0000

COMMON NAME/TRADE NAME: TAR REFINED  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBONS

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 - MIXTURE	2	2	20	20			365	0 1 5	4.5 0	0065996-93-2
<input type="checkbox"/> 1 - PURE										
<input type="checkbox"/> 1 - NEW					20	00				
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE								UN/NA NO. (IF KNOWN)		

ON ASPHALT AT REAR OF MAINTENANCE SHOP AND NORTH OF TRACT #5 LOADING STATION.

3082

COMMON NAME/TRADE NAME: XYLENE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: XYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 - MIXTURE	2	2	03	03			365	D 1 4 N 1 4	3.2 6.4	0001330-20-7
<input type="checkbox"/> 1 - PURE										
<input type="checkbox"/> 1 - NEW					01	00				
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										
STORAGE LOCATIONS AT SITE								UN/NA NO. (IF KNOWN)		

IN METAL DRUM OUTSIDE W END OF LAB ALSO IN PLASTIC BOTTLE IN LAB

1307

FORM  
CHEMICAL

1997-1998 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

SECTION D

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

[Orange Solvent]

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE [ 2 ]	[ 2 ]	[ 2 ]	[ 4 ]	[ 4 ]	[ 04 ]	[ 00 ]	[ 365 ]	[ D ] [ 1 ] [ 1 ]	[ 4.5 ] [ 6.4 ]	[ 5989.27.5 ]
1 - NEW 2 - NO LONGER REPORTABLE								[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE

[Oil house in maintenance building.]

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
1 - NEW 2 - NO LONGER REPORTABLE								[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
1 - NEW 2 - NO LONGER REPORTABLE								[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE [ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
1 - NEW 2 - NO LONGER REPORTABLE								[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of State Police

Office of State Fire Marshal

4760 Portland Road NE

Salem, OR 97305-1760

(503) 378-6835

Internet: oregon.sfm@state.or.us

*Quality Service First*

## ***AVOID PENALTIES***

November 16, 1999

KOPPERS INDUSTRIES INC  
AMOS S KAMERER  
7540 NW ST HELENS RD  
PORTLAND OR 97210-3663

FACILITY ID: 006202

LOCATION: 7540 NW ST HELENS RD PORTLAND

This is a reminder that your Hazardous Substance Information Survey is due by November 30, 1999. To ***AVOID PENALTIES*** be sure and mail the survey so it is postmarked no later than November 30, 1999.

Facilities that fail to submit their surveys on time are subject to a \$200 penalty. ***Our office does not want to assess penalties*** and for that reason we are sending this letter to those companies our records indicate have not submitted the survey.

If you have already submitted the survey, it may not have been processed at the time this notice was computer generated. To assure the survey has been received ***call 503-378-6835***.

If you have lost your survey or **need assistance** in completing the survey information, ***call 503-378-6835*** and request to speak to a Compliance Auditor.

Thank you for your time.

Community Right to Know Unit

# RECEIVED

NOV 17 1999

KOPPERS INDS, INC.  
PORTLAND OR



Koppers012226

Due Date: NOVEMBER 30, 1999

1999

Facility ID Number  
006202

## OREGON STATE FIRE MARSHAL

## HAZARDOUS SUBSTANCE INFORMATION SURVEY

PLEASE TYPE OR PRINT ONLY CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA

## SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

- ☒ YES ☐ NO Are there hazardous substances present at this site in reportable quantities?
- ☐ YES ☒ NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?
- ☐ YES ☒ NO Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?
- ☐ YES ☒ NO If you answered YES to ANY of the three above questions, check the NO box and proceed to Section B directly below. Otherwise refer to side B of the enclosed green information sheet.

## SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND INTERMEDIATES

2. SIC CODE 2: DEFINITION:

3. BUSINESS ACTIVITY:

CREOSOTE &amp; COAL TAR PITCH TERMINAL

4. DUN &amp; BRADSTREET #: 02-773-4359

5. MANAGER'S NAME: AMOS S KAMERER

6. SEND TO ATTENTION OF: AMOS S KAMERER

7. E-MAIL ADDRESS: AMOS\_KAMERER@KOPPERS.COM

8. BUSINESS NAME: KOPPERS INDUSTRIES INC

9. DEPT OR DIV:

10. SITE ADDRESS:

7540 NW ST HELENS RD

11. MAILING ADDRESS:

7540 NW ST HELENS RD

CITY: PORTLAND

CITY: PORTLAND

COUNTY: MULTNOMAH

COUNTY: MULTNOMAH

STATE: OR

ZIP CODE: 97210-3663

STATE: OR

ZIP CODE: 97210-3663

12. BUSINESS PHONE: 503-286-3681

13. NUMBER OF EMPLOYEES AT THIS SITE: 11

14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: AMOS S KAMERER

DAY 503-286-3681

NIGHT 503-246-8045

16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

## SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. ☒ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, LOCATION: Office, MCC Room
18. ☐ YES ☒ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☒ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☐ YES ☒ NO ARE OTHER TYPES OF PLACARDS USED?

## SECTION C PERSON COMPLETING FORM

This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: AMOS S. KAMERER

2. SIGNATURE (REQUIRED):

3. DATE: 11/23/99 PHONE NO: (503) 286-3681

AMOS S KAMERER  
KOPPERS INDUSTRIES INC7540 NW ST HELENS RD  
PORTLAND OR 97210-3663

CC: T. Self, M. Cille

1999 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

## SECTION D

COMMON NAME/TRADE NAME: ACETONE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: ACETONE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	2	2	01	01	01	00	365	F 1 4	3.2 6.3	0000067-64-
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN LAB AT W END OF BLDG										1090
										EPA PESTICIDE REGISTRATION NO.

[ in the lab at the west end of the office building ]

COMMON NAME/TRADE NAME: ACETYLENE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: ACETYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	3	3	11	11	11	00	365	L 2 4	2.1 6.3	0000074-86-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE					20					UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN MAINTENANCE SHOP IN REAR OF BLDG. 2 CYLINDERS ON 2 PORTABLE CARTS IN FRONT OF SHOP INSIDE										1001
										EPA PESTICIDE REGISTRATION NO.

[ in maintenance shop. 2 cylinders on 2 portable carts. ]

COMMON NAME/TRADE NAME: BIG ORANGE SOLVENT  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: D-LIMONENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 - MIXTURE	2	2	04	04	04	00	365	D 1	4.5	0005989-27-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE OIL HOUSE IN MAINT BLDG										
										EPA PESTICIDE REGISTRATION NO.

[ In the oil storage shed. ]

COMMON NAME/TRADE NAME: COAL TAR PITCH  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PYRENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	1	1	53	60	60	60	365	R 1 4	4.5 6.4	0065996-93-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE					80	80				UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE PITCH STORAGE BUILDINGS										3077
										EPA PESTICIDE REGISTRATION NO.



1999 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

## SECTION D

COMMON NAME/TRADE NAME: COAL TAR PITCH  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PYRENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	41	52	52	52	365	A 1 5	4.5 6.4	0065996-93-2
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW			50	50	60	60				UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										3077
STORAGE LOCATIONS AT SITE IN TANK FARM, TANK'S #65 AND #68										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: CREOSOTE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	10	10	00	00	365	D 1 4 F 1 4	4.5 6.3	0008001-58-9
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW					10	10				UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										3082
STORAGE LOCATIONS AT SITE LAB IN REAR SAMPLE ROOM, AND ON ASPHALT IN REAR OF MAINTENANCE SHOP										EPA PESTICIDE REGISTRATION NO.

Lab in rear sample room.

COMMON NAME/TRADE NAME: CREOSOTE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	31	41	41	41	365	A 1 5 Q 1 5	4.5 6.3	0008001-58-9
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW			20	21	00	31				UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										3082
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #20, #39 AND #67, OR POSSIBLY IN A RAIL CAR ON TRACK #3										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: DIESEL #2  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	04	04	20	00	365	E 1 4	3.3	0068476-34-6
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW										UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										1993
STORAGE LOCATIONS AT SITE IN PLASTIC DRUMS JUST IN FRONT OF MAINTENANCE SHOP OUTSIDE										EPA PESTICIDE REGISTRATION NO.

In plastic drums in the oil storage shed area.

FORM  
CHEMICAL1999 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

## SECTION D

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 1 - PURE 2 - MIXTURE	2	2	02	02	10	00	365	N 1 4 F 1 4	3.1 6.4	0008006-61-9
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 1203
STORAGE LOCATIONS AT SITE IN OIL STORAGE ROOM IN MAINT ENANCE SHOP, IN LOCKERS WITH CLOSED DOORS SE E ND OF BUILDING										EPA PESTICIDE REGISTRATION NO.

In cans in the oil storage shed area.

COMMON NAME/TRADE NAME: HEAVY CREOSOTE DISTILLATE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: CREOSOTE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 1 - PURE 2 - MIXTURE	2	2	30	30	30	00	365	A 1 5 Q 1 5	4.5 6.5	0065996-92-1
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE			21	30	31	31				UN/NA NO. (IF KNOWN) 3082
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #17 AND #33 OR POSSIBLY IN A RAIL CAR ON TRACK #3										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: LIGHT CREOSOTE DISTILLATE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: CREOSOTE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 1 - PURE 2 - MIXTURE	2	2	30	30	30	00	365	A 1 5 Q 1 5	4.5 6.5	0065996-92-1
<input checked="" type="checkbox"/> 2 1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 3082
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #4 AND #23, OR POSSIBLY IN A RAIL CAR ON TRACK #3										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: METHYL SOLVENT CREOSOTE DISTILLATE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: CREOSOTE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 1 - PURE 2 - MIXTURE	2	2	30	30	30	00	365	A 1 5 Q 1 5	4.5 6.5	0065996-92-1
<input checked="" type="checkbox"/> 2 1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 3082
STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #3 OR POSSIBLY IN A RAIL CAR ON TRACK #3										EPA PESTICIDE REGISTRATION NO.



1999 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SECTION D  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

COMMON NAME/TRADE NAME: MOTOR OIL

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: HIGHLY REFINED BASE OILS

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	04	04	04	00	365	0 1 4	4.5	0064742-54-7
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW										UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										1270

STORAGE LOCATIONS AT SITE IN OIL STORAGE ROOM IN MAINT ENANCE SHOP, SOUTHEND OF BUILDING

[ In the maintenance shop.

COMMON NAME/TRADE NAME: NAPHTHALENE STILL RESIDUE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: NAPHTHALENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	30	30	30	00	365	2 1 5	4.5 6.3	0073665-18-6
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW										UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										3082

STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #34 AND #99, AND POSSIBLY IN A RAIL CAR ON TRACT #3/IN TANK FARM/TANKS #34 AND #102 AND POSSIBLE IN A RAILCAR ON TRACK #3

EPA PESTICIDE  
REGISTRATION NO.

COMMON NAME/TRADE NAME: OXYGEN

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: OXYGEN

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	3	3	11	11	11	00	365	L 2 4	2.2 5.1	0007782-44-7
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW					20					UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										1072

STORAGE LOCATIONS AT SITE 6 CYLINDERS ON 3 CARTS IN RE AR OF MAINTENANCE SHOP.

EPA PESTICIDE  
REGISTRATION NO.

COMMON NAME/TRADE NAME: PERCHLOROETHYLENE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	03	03	00	00	365	0 1 4	6.3 6.4	0000127-18-4
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW			01	01	02					UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										1897

STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END OF LAB

EPA PESTICIDE  
REGISTRATION NO.

[ In glass bottles in the lab.

1999 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

## SECTION D

COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CALORIA HT  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 1 - PURE 2 - MIXTURE	2	2	20	20	10	00	365	A 1 5	4.5	
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN ABOVE GROUND EXPANSION TANK NEXT TO TANK #65										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: PRIMING AND REFACTORY OIL  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: CREOSOTE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 1 - PURE 2 - MIXTURE	2	2	20	20	20	00	365	A 1 4	4.5 6.5	0065996-92-1
<input checked="" type="checkbox"/> 2 1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN TANK FARM, TANK #19 AND 1 N DRUMS BEHIND MAINTENANCE SHOP										3082
										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: PROPANE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PROPANE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 1 - PURE 2 - MIXTURE	3	2	04	04	20	00	365	L 2 6	2.1	0000074-98-6
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE OUTSIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME AREA, AND IN CANNISTERS AT TRACK #5 LOADING STATION.										1075
										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: QUINOLINE REFINED  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: QUINOLINE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 1 - PURE 2 - MIXTURE	2	2	02	02	02	00	365	F 1 4	8.0	0000091-22-5
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE					03					UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN REAR OF LAB IN SAMPLE ROOM										1760
										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: REFINED TAR  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: HYDROCARBONS

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	2	30	30	30	00	365	Q 1 5 A 1 5	4.2	0065996-93-2
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE			21		00	30				UN/NA NO. (IF KNOWN) 3257
STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR										
#5										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1	1	1	10	10	10	00	365	1 1 4	8.0 6.3	0001310-73-2
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE					20					UN/NA NO. (IF KNOWN) 1823
STORAGE LOCATIONS AT SITE IN BOILER ROOM E END										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: SODIUM SULFITE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: SODIUM SULFITE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1	1	1	10	10	10	00	365	1 1 4	9.0	0007757-83-7
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE					20					UN/NA NO. (IF KNOWN) 0000
STORAGE LOCATIONS AT SITE IN BOILER ROOM E END										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: TAR REFINED  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBONS

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2	2	2	20	20	20	00	365	0 1 5	4.5 0	0065996-93-2
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 3082
STORAGE LOCATIONS AT SITE ON ASPHALT AT REAR OF MAINTENANCE SHOP AND NORTH OF TRACT #5 LOADING STATION.										EPA PESTICIDE REGISTRATION NO.

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: XYLENE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: XYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	03	03	01	00	365	D 1 4 N 1 4	3.3 6.3	0001330-20-7
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW					02					UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										1307

STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END  
OF LAB ALSO IN PLASTIC BOTTLE IN LAB

EPA PESTICIDE  
REGISTRATION NO.

3125-372

COMMON NAME/TRADE NAME: Toluene

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: Toluene

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE										108.88.3
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW	2	2	03	03	02	00	365	D 1 4 N 1 4	3.2 6.1	UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										1294

STORAGE LOCATIONS AT SITE

EPA PESTICIDE  
REGISTRATION NO.

In glass bottle in the lab.

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE										
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW										UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										

STORAGE LOCATIONS AT SITE

EPA PESTICIDE  
REGISTRATION NO.

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE										
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW										UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										

STORAGE LOCATIONS AT SITE

EPA PESTICIDE  
REGISTRATION NO.

FORM  
CHEMICAL

1999 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number  
006202

SECTION D

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										EPA PESTICIDE REGISTRATION NO.



Due Date: DECEMBER 1, 2000

2000

Facility ID Number  
006202

## OREGON STATE FIRE MARSHAL

## HAZARDOUS SUBSTANCE INFORMATION SURVEY

PLEASE TYPE OR PRINT ONLY CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA

## SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

- ☒ YES ☐ NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
- ☐ YES ☒ NO 2. Were there Extremely Hazardous Substances (EHS) present at this site that meet the threshold planning quantities during this survey period?
- ☐ YES ☒ NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?

## SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 2865 DEFINITION: CYCLIC CRUDES AND INTERMEDIATES-MFG

2. SIC CODE 2: DEFINITION:

3. BUSINESS ACTIVITY AT THIS SITE:

CREOSOTE &amp; COAL TAR PITCH TERMINAL

[ Coal Tar Pitch Terminal ]

4. DUN &amp; BRADSTREET #: 02-773-4359

5. MANAGER'S NAME: AMOS S KAMERER

6. SEND TO ATTENTION OF: AMOS S KAMERER

7. E-MAIL ADDRESS: AMOS\_KAMERER@KOPPERS.COM

8. BUSINESS NAME: KOPPERS INDUSTRIES INC

9. DEPT OR DIV:

10. SITE ADDRESS:

7540 NW ST HELENS RD

CITY: PORTLAND

COUNTY: MULTNOMAH

STATE: OR ZIP CODE: 97210-3663

11. MAILING ADDRESS:

7540 NW ST HELENS RD

CITY: PORTLAND

COUNTY: MULTNOMAH

STATE: OR ZIP CODE: 97210-3663

12. BUSINESS PHONE: 503-286-3681

13. NUMBER OF EMPLOYEES AT THIS SITE: 11

14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: AMOS S KAMERER

15. EMERGENCY CONTACT PHONES: DAY 503-286-3681 NIGHT 503-246-8045

16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

[ Portland Fire Station No. 22 ]

## SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. ☒ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Office and Control Room
18. ☐ YES ☒ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☒ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☐ YES ☒ NO ARE OTHER TYPES OF PLACARDS USED?

## SECTION C PERSON COMPLETING FORM

This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: A.S. Kamerer

2. SIGNATURE (REQUIRED):

3. DATE: 11/27/00 PHONE NO: 503-286-3681

AMOS S KAMERER  
KOPPERS INDUSTRIES INC7540 NW ST HELENS RD  
PORTLAND OR 97210-3663

cc: Mark Cilley, Traci Self

For office use only R F DE / C

OSFMB130

Koppers012236

2000 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

## SECTION D

COMMON NAME/TRADE NAME: ACETONE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: ACETONE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	2	2	01	01	01	00	365	F 1 4	3.2 6.3	67-64-1
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										1090
LDG IN LAB AT W END OF OFFICE B										
										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: ACETYLENE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: ACETYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	3	3	11	11	20	00	365	L 2 4	2.1 6.3	74-86-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										1001
OF BLDG. 2 CYLINDERS ON 2 PORTABLE CARTS IN FR ONT OF SHOP INSIDE										
In and around the maintenance shop in the center of the plant, next to the										EPA PESTICIDE REGISTRATION NO.
Control room.										

COMMON NAME/TRADE NAME: BIG ORANGE SOLVENT  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: D-LIMONENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 2 - MIXTURE <input type="checkbox"/> 1 - PURE	2	2	04	04	04	00	365	D 1	4.5	5989-27-5
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										
L STORAGE SHED OIL HOUSE IN MAINT BLDG & 01										
In the oil, gas and diesel storage shed, next to track 5 and between the										EPA PESTICIDE REGISTRATION NO.
office and the employee service building										

COMMON NAME/TRADE NAME: COAL TAR PITCH  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: PYRENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE <input type="checkbox"/> 2 - MIXTURE	2	2	50	50	60	60	365	A 1 5	4.5 6.4	65996-93-2
<input type="checkbox"/> 1 - NEW <input type="checkbox"/> 2 - NO LONGER REPORTABLE			43	43	53	53				UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										3077
#68 IN TANK FARM, TANK'S #65 AND										3257
In the tank farm, tanks #65, #68, and #200										EPA PESTICIDE REGISTRATION NO.

FORM  
CHEMICAL2000 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number

006202

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: COAL TAR PITCH.

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PYRENE

[ BENZO(A)PYRENE ]

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE 2 - MIXTURE [ ]	1	1	53	60	80	80	365	R 1 4	4.5 6.4	65996-93-2
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ 40 ]	[ ]	[ 60 ]	[ 60 ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	UN/NA NO. (IF KNOWN) 3077
STORAGE LOCATIONS AT SITE PITCH STORAGE BUILDINGS										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE 2 - MIXTURE [ ]	2	2	10	10	10	10	365	D 1 4 F 1 4	4.5 6.3	8001-58-9
<input checked="" type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	UN/NA NO. (IF KNOWN) 3082
STORAGE LOCATIONS AT SITE LAB IN REAR SAMPLE ROOM, AND ON ASPHALT IN REAR OF MAINTENANCE SHOP										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: CREOSOTE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: COAL TAR PITCH VOLATILES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE 2 - MIXTURE [ ]	2	2	20	21	00	31	365	A 1 5 Q 1 5	4.5 6.3	8001-58-9
<input checked="" type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	UN/NA NO. (IF KNOWN) 3082
STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #20, #39 AND #67, OR POSSIBLY IN A RAIL CAR ON TRACK #3										EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: DIESEL #2

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE 2 - MIXTURE [ ]	2	2	04	04	20	00	365	E 1 4	3.3	68476-34-6
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	UN/NA NO. (IF KNOWN) 1993
STORAGE LOCATIONS AT SITE IN PLASTIC DRUMS JUST IN FRONT OF MAINTENANCE SHOP OUTSIDE & OIL STORAGE SHED AREA										EPA PESTICIDE REGISTRATION NO.

In the oil, gas and diesel storage shed, next to track 5 and between the office and the employee service building



2000 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number

006202

## SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: TOLUENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input type="checkbox"/> 2. MIXTURE	2	2	02	02	10	00	365	N 1 4 F 1 4	3.1 6.4	8006-61-9
<input type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
										1203

STORAGE LOCATIONS AT SITE IN CANS IN OIL STORAGE SHED  
AREA ROOM IN MAINTENANCE SHOP, IN LOCKERS WITH  
H CLOSED DOORS SE END OF BUILDINGIn the oil, gas and diesel storage shed, next to Track 5 and between the  
office and the employee service building

COMMON NAME/TRADE NAME: HEAVY CREOSOTE DISTILLATE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: CREOSOTE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input type="checkbox"/> 2. MIXTURE	2	2	21	30	31	31	365	A 1 5 Q 1 5	4.5 6.5	65996-92-1
<input type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE				31						UN/NA NO. (IF KNOWN)
										3082

STORAGE LOCATIONS AT SITE IN TANK FARM, TANKS #17 AND  
#33 OR POSSIBLY IN A RAIL CAR ON TRACK #3

In the tank farm, in tanks #33, #67 and #102

COMMON NAME/TRADE NAME: MOTOR OIL

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: HIGHLY REFINED BASE OILS

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input type="checkbox"/> 2. MIXTURE	2	2	04	04	04	00	365	D 1 4	4.5	64742-54-7
<input type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
										1270

STORAGE LOCATIONS AT SITE IN OIL STORAGE ROOM IN MAINT  
ENANCE SHOP, SOUTHEAST END OF BUILDINGIn the oil, gas and diesel storage shed, next to Track 5 and between the  
office and the employee service building

COMMON NAME/TRADE NAME: OXYGEN

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: OXYGEN

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input type="checkbox"/> 2. MIXTURE	3	3	11	11	20	00	365	L 2 4	2.2 5.1	7782-44-7
<input type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
										1072

STORAGE LOCATIONS AT SITE 6 CYLINDERS ON 3 CARTS IN RE  
AR OF MAINTENANCE SHOP.In and around the maintenance shop in the center of the plant, next to  
the control room.

FORM  
CHEMICAL

2000 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number

006202

SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: PERCHLOROETHYLENE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PERCHLOROETHYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input checked="" type="checkbox"/> 2. MIXTURE	2	2	01	01	02	00	365	D 1 4	9.0	127-18-4
<input type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END OF LAB & GLASS BOTTLES IN THE LAB										1897
										EPA PESTICIDE REGISTRATION NO.

In glass bottles in the lab

COMMON NAME/TRADE NAME: PETROLEUM PROCESS OIL, CALORIA HT

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input checked="" type="checkbox"/> 2. MIXTURE	2	2	20	20	10	00	365	A 1 5	4.5	
<input type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN ABOVE GROUND EXPANSION TANK NEXT TO TANK #65										
										EPA PESTICIDE REGISTRATION NO.

In the oil, gas and diesel storage shed, next to track 5 and between the office and the employee service building.

COMMON NAME/TRADE NAME: PROPANE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: PROPANE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input checked="" type="checkbox"/> 2. MIXTURE	3	2	04	04	20	00	365	L 2 6	2.1	74-98-6
<input type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE OUTSIDE IN THE REAR OF THE MAINTENANCE BUILDING, IN FORK LIFTS IN SAME AREA, AND IN CANNISTERS AT TRACK #5 LOADING STATION.										1075
										EPA PESTICIDE REGISTRATION NO.

In storage canisters at the back of the control room building.

COMMON NAME/TRADE NAME: QUINOLINE REFINED

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: QUINOLINE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input checked="" type="checkbox"/> 2. MIXTURE	2	2	02	02	03	00	365	F 1 4	8.0	91-22-5
<input type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE IN REAR OF LAB IN SAMPLE ROOM										1760
										EPA PESTICIDE REGISTRATION NO.

FORM  
CHEMICAL

2000 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY  
SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number

006202

SECTION D

COMMON NAME/TRADE NAME: REFINED TAR  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: HYDROCARBONS

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input type="checkbox"/> 2. MIXTURE	2	2	21	30	00	30	365	Q 1 5 A 1 5	4.2	65996-93-2
<input checked="" type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 3257

STORAGE LOCATIONS AT SITE IN TANK CARS ON TRACK #3 OR #5

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input type="checkbox"/> 2. MIXTURE	1	1	10	10	20	00	365	1 1 4	8.0 6.3	1310-73-2
<input type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 1823

STORAGE LOCATIONS AT SITE IN BOILER ROOM E END

IN THE BOILER HOUSE BUILDING

COMMON NAME/TRADE NAME: SODIUM SULFITE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: SODIUM SULFITE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input type="checkbox"/> 2. MIXTURE	1	1	10	10	20	00	365	1 1 4	6.3	7757-83-7
<input type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 0000

STORAGE LOCATIONS AT SITE IN BOILER ROOM E END

IN THE BOILER HOUSE BUILDING

COMMON NAME/TRADE NAME: TOLUENE  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION: TOLUENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1. PURE <input type="checkbox"/> 2. MIXTURE	2	2	03	03	02	00	365	D 1 4 N 1 4	3.2 6.3	108-88-3
<input type="checkbox"/> 1. NEW <input type="checkbox"/> 2. NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN) 1294

STORAGE LOCATIONS AT SITE IN GLASS BOTTLE IN THE LAB

EPA PESTICIDE  
REGISTRATION NO.

FORM  
CHEMICAL

2000 OREGON STATE FIRE MARSHAL  
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number

006202

SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: XYLENE

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION: XYLENE

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input checked="" type="checkbox"/> 1 - PURE	2	2	03	03	02	00	365	D 1 4 N 1 4	3.3 6.3	1330-20-7
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW										UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										1307

STORAGE LOCATIONS AT SITE IN METAL DRUM OUTSIDE W END  
OF LAB ALSO IN PLASTIC BOTTLE IN LAB

EPA PESTICIDE  
REGISTRATION NO.

3125-372

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE										
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW										UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										

STORAGE LOCATIONS AT SITE

EPA PESTICIDE  
REGISTRATION NO.

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE										
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW										UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										

STORAGE LOCATIONS AT SITE

EPA PESTICIDE  
REGISTRATION NO.

COMMON NAME/TRADE NAME:

HAZARDOUS INGREDIENT

IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(r)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE										
<input type="checkbox"/> 2 - MIXTURE										
<input type="checkbox"/> 1 - NEW										UN/NA NO. (IF KNOWN)
<input type="checkbox"/> 2 - NO LONGER REPORTABLE										

STORAGE LOCATIONS AT SITE

EPA PESTICIDE  
REGISTRATION NO.

## SECTION D

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE 2 - MIXTURE [ ]										[ ]
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										[ ]
										EPA PESTICIDE REGISTRATION NO.
										[ ]

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE 2 - MIXTURE [ ]										[ ]
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										[ ]
										EPA PESTICIDE REGISTRATION NO.
										[ ]

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE 2 - MIXTURE [ ]										[ ]
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										[ ]
										EPA PESTICIDE REGISTRATION NO.
										[ ]

COMMON NAME/TRADE NAME:  
HAZARDOUS INGREDIENT  
IN HIGHEST CONCENTRATION:

<input type="checkbox"/> EHS <input type="checkbox"/> 112(f)	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. IN CODE USE TABLE III	AMT. OUT CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE USE TABLES IV & V	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
<input type="checkbox"/> 1 - PURE 2 - MIXTURE [ ]										[ ]
<input type="checkbox"/> 1 - NEW 2 - NO LONGER REPORTABLE										UN/NA NO. (IF KNOWN)
STORAGE LOCATIONS AT SITE										[ ]
										EPA PESTICIDE REGISTRATION NO.
										[ ]



# Oregon

John A. Kitzhaber, M.D., Governor

## ***AVOID PENALTIES***

### **Department of State Police**

Office of State Fire Marshal

4760 Portland Road NE

Salem, OR 97305-1760

(503) 378-6835

Internet: oregon.sfm@state.or.us

November 16, 2000

*Quality Service First*

KOPPERS INDUSTRIES INC  
AMOS S KAMERER  
7540 NW ST HELENS RD  
PORTLAND OR 97210-3663

FACILITY ID: 006202  
LOCATION: 7540 NW ST HELENS RD PORTLAND OR

This is a reminder that your Hazardous Substance Information Survey is due by December 1, 2000. To ***AVOID PENALTIES*** be sure and mail the survey so it is postmarked no later than December 1, 2000.

Facilities that fail to submit their surveys on time are subject to a \$200 penalty. ***Our office does not want to assess penalties*** and for that reason we are sending this letter to those companies our records indicate have not submitted the survey.

If you have already submitted the survey, it may not have been processed at the time this notice was computer generated. To assure the survey has been received ***call 503-378-6835***.

If you have lost your survey or **need assistance** in completing the survey information, ***call 503-378-6835*** and request to speak to a Compliance Auditor.

Thank you for your time.

Community Right to Know Unit

RECEIVED

NOV 17 2000

KOPPERS INDS. INC.  
PORTLAND OR



Koppers012244

2005  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information SurveyFacility ID Number  
006202

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: ACETYLENE

Hazardous Ingredient: ACETYLENE

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	10	10	10	00	365	L 2 4	2.1	1001	74862
								6.3		

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	MAINT SHOP 4	1	FRONT OF BLD	NA	C	10
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: COAL TAR PITCH-LIQUID

Hazardous Ingredient: COAL TAR PITCH

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	40	50	50	51	365	A 1 5	4.5	3257	65996932
		41	51	51				6.4		

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	CONTROL RM-5	1	TANK FARM	TANK T-68	C	40
<input type="checkbox"/>	O	CONTROL RM-5	1	UPPER LEVEL	TANK T-65	C	43
<input type="checkbox"/>	O	PENCIL PITCH	1	UPPER LEVEL	TANK T-200	NE	50
<input type="checkbox"/>							
<input type="checkbox"/>							

Common Name or Trade Name: DIESEL #2

Hazardous Ingredient: DIESEL FUEL #2

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	20	20	00	365	E 1 4	3.3	1993	68476346
								6.4		

## LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
<input type="checkbox"/>	O	BOILER HOUSE	1	UPPER LEVEL	TANK DSL 1	SE	20
<input type="checkbox"/>	O	EMPLOYEE SVC 2	1	OIL STRG SHED	DRUMS	NE	04
<input type="checkbox"/>	O	S OF SHOP	1	UPPER LEVEL	TANK DSL 1	C	20



Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

[REDACTED]

Common Name or Trade Name: **GASOLINE** [

**LOCATION**

**Common Name or Trade Name: HEAVY CREOSOTE DISTILLATE**

**LOCATION**

Common Name or Trade Name: **MOTOR OIL**

Koppers012246



2005  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information SurveyFacility ID Number  
006202

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: MOTOR OIL

[ ]

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	[ O ]	[ EMPLOYEE SVC 2 ]	[ 1 ]	[ OIL STRG SHED ]	[ NA ]	[ NE ]	[ 04 ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: NITROGEN

[ ]

Hazardous Ingredient: NITROGEN

[ ]

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
[ 3 ]	[ 2 ]	[ 20 ]	[ 20 ]	[ 30 ]	[ 30 ]	[ 365 ]	[ A 2 6 ]	[ 2.2 ]	[ 1066 ]	[ ]
										CAS No. if known [ 7727379 ]

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	[ O ]	[ EMPLOYEE SVC 2 ]	[ 1 ]	[ UPPER LEVEL ]	[ NITROGEN TANK ]	[ NE ]	[ 20 ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: OXYGEN

[ ]

Hazardous Ingredient: OXYGEN

[ ]

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
[ 3 ]	[ 3 ]	[ 11 ]	[ 11 ]	[ 10 ]	[ 00 ]	[ 365 ]	[ L 2 4 ]	[ 2.2 ]	[ 1072 ]	[ ]
										CAS No. if known [ 7782447 ]

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	[ O ]	[ MAINT SHOP 4 ]	[ 1 ]	[ FRONT OF BLDG ]	[ NA ]	[ C ]	[ 11 ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete <input type="checkbox"/>	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: PETROLEUM PROCESS OIL, CALORIA HT 43

[ ]

Hazardous Ingredient: PETROLEUM DISTILLATES

[ ]

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
[ 2 ]	[ 2 ]	[ 21 ]	[ 21 ]	[ 04 ]	[ 00 ]	[ 365 ]	[ A 1 5 ]	[ 4.5 ]	[ ]	[ ]
										CAS No. if known [ ]

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: PETROLEUM PROCESS OIL, CALORIA HT 43

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	[ O ]	CONTROL RM 5	[ 1 ]	UPPER LEVEL	TANK T-240	[ C ]	[ 20 ]
Delete <input type="checkbox"/>	[ O ]	CONTROL RM 5	[ 1 ]	UPPER LEVEL	TANK T-250	[ C ]	[ 20 ]
Delete <input type="checkbox"/>	[ O ]	EMPLOYEE SVC 2	[ 1 ]	OIL STRG SHED	DRUM	[ NE ]	[ 04 ]
Delete <input type="checkbox"/>	[ ]		[ ]			[ ]	[ ]
Delete <input type="checkbox"/>	[ ]		[ ]			[ ]	[ ]

Common Name or Trade Name: PROPANE

Hazardous Ingredient: PROPANE

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
							L 2 6	2.1		
3	2	04	04	11	00	365	[ ] [ ] [ ]	6.3	1075	CAS No. if known 74986

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	[ O ]	CONTROL RM 5	[ 1 ]	FRONT OF BLD	NA	[ C ]	[ 02 ]
Delete <input type="checkbox"/>	[ ]		[ ]			[ ]	[ ]
Delete <input type="checkbox"/>	[ ]		[ ]			[ ]	[ ]

Common Name or Trade Name: SODIUM HYDROXIDE

Hazardous Ingredient: SODIUM HYDROXIDE

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
							I 1 4	8.0		
1	1	11	11	20	00	365	[ ] [ ] [ ]	6.3	1823	CAS No. if known 1310732

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	[ I ]	BOILER HOUSE 2	[ 1 ]	UPPER LEVEL	DRUM	[ E ]	[ 11 ]
Delete <input type="checkbox"/>	[ ]		[ ]			[ ]	[ ]
Delete <input type="checkbox"/>	[ ]		[ ]			[ ]	[ ]

2005  
OREGON STATE FIRE MARSHAL  
Hazardous Substance Information SurveyFacility ID Number  
006202

## SECTION D

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: SODIUM SULFITE

[ ]

Hazardous Ingredient: SODIUM SULFITE

[ ]

☐ No Longer Reportable☐ 112R☐ EHS☐ PSM☒ 1-Pure  
2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	11	11	20	00	365	I 1 4	6.3		
										CAS No. if known 7757837

## LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete <input type="checkbox"/>	I	BOILER HOUSE 2	1	UPPER LEVEL	DRUM	E	11
Delete <input type="checkbox"/>							
Delete <input type="checkbox"/>							

**SPEED LETTER®**

TO

FROM

Traci Self  
K-1800

Amos  
NW TERMINAL

SUBJECT

OOEQ ANNUAL HAZ. WASTE VERIFICATION (2005)

FOLD NO. 9 or 10

MESSAGE

Please Review the attached  
Do you Agree; We don't need to submit A Report?

DATE

2/16/06

SIGNED

Amos

REPLY

4/21/06: Emailed & talked to Terry on this matter regarding her agreement  
that we do not need to submit a report for 2005. TS has  
been part of most of these communications. Never received a  
response - took that as agreement.

FOLD FOR NO. 9

FOLD FOR NO. 10

DATE

SIGNED

4/21/06



SENDER: DETACH AND RETAIN YELLOW COPY, SEND WHITE AND PINK COPIES. RECIPIENT: RETAIN WHITE COPY, RETURN PINK COPY.

44-902 • Triplicate  
44-904 • Quadruplicate

Carbonless Snap-A-Way® Forms ©1993 ACCO USA, Inc. Made in U.S.A.



# Oregon

Theodore Kulongoski, Governor

## Department of Environmental Quality

### Headquarters

811 SW Sixth Avenue  
Portland, OR 97204-1390

(503) 229-5696

FAX (503) 229-6124

TTY (503) 229-6993

**JAN 27 2006**

January 27, 2006

LQ-HW-AR-CEG  
AMOS KAMERER  
KOPPERS INC  
7540 NW SAINT HELENS ROAD  
PORTLAND, OR 97210-3663

Re: 2005 Hazardous Waste Annual Verification

Dear Hazardous Waste Coordinator:

You are receiving this letter because our records indicate that your company has an active RCRA Site Identification Number. Oregon Administrative Rule 340-102-0012 requires facilities with identification numbers to update site information annually. Your facility last notified DEQ that your generator status was Conditionally Exempt Generator (CEG).

If your generator category has not changed from the CEG category for calendar year 2005 and your site information is the same, then you do not need to submit a report. This applies only for Conditionally Exempt Generators that are not remediation sites. CEGs that are generators due to remediation of environmental cleanup must continue to report every year until the cleanup is completed and the site identification number is withdrawn.

To be sure that nothing has changed, do the following:

- Determine your generator status for calendar year 2005. The attached Frequently Asked Questions provides information that will help you make this determination. You can also receive free technical assistance from the Toxics Use & Waste Reduction Assistance Program. An informational brochure has been included with this mailing.
- Review your last reported Site Identification (SI) Form and determine if you need to update any site contact information to DEQ.
- Verify that the site location listed at the end of this letter is still accurate. The RCRA Site ID Number is not transferable to other physical locations.

You can choose to verify the last reported information by submitting the SI Form annually to DEQ, although it is only required if the information about your facility has changed or you are a generator due to remediation.

If your generator category has changed in calendar year 2005 or you want to update the site contact information, please do one of the following by **April 1, 2006**:

- Access the on-line annual reporting system called HazWaste.Net using the information provided at the end of this letter and the attached General Instructions.



Koppers012251

- Use hardcopy paper forms. The attached Frequently Asked Questions tells you how to obtain the paper forms.

You may also want to consider withdrawing your RCRA Site Identification Number. State and federal requirements do not require Conditionally Exempt Generators to have this number. The Frequently Asked Questions will provide information to help you determine whether you should keep your identification number.

The following information will help you login to your facility information in the HazWaste.Net reporting software. The internet address for HazWaste.Net is [www.deqhazwaste.net](http://www.deqhazwaste.net). The attached General Instructions will give you step-by-step instructions.

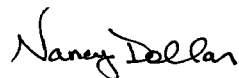
RCRA Site ID Number:	ORD027734359
Personal Identification Number (PIN)	5282
Facility Name:	Koppers Inc
Site Location:	7540 NW ST HELENS RD PORTLAND OR 97210
User Name for Data Administrator:	kamereras

The following information is included in this packet to help you with the reporting process:

- Frequently Asked Questions Related to Annual Verification for Conditionally Exempt Generators
- General instructions for using HazWaste.Net
- Find Solutions/Free Assistance Brochure

Thank you in advance for timely notification of changes to your facility information. If you have any questions regarding this letter, please call the Annual Report Hotline in Portland at (503) 229-6938 or toll-free within the State of Oregon at 1-800-452-4011, extension 6938. You can also e-mail your questions to [hazwaste@deq.state.or.us](mailto:hazwaste@deq.state.or.us). If you have questions concerning hazardous waste regulations, please call the technical assistance staff in the DEQ regional office nearest you. Telephone numbers are provided on the back page of the enclosed brochure.

Sincerely,



Nancy Dollar, Project Coordinator  
Hazardous Waste Program  
Land Quality Division



# Frequently Asked Conditionally Exempt Generator (CEG) Questions



State of Oregon  
Department of  
Environmental  
Quality

Land Quality Division  
811 SW 6<sup>th</sup> Avenue  
Portland, OR 97204  
Phone: (503) 229-5913  
(800) 452-4011  
Fax: (503) 229-6977  
[www.deq.state.or.us](http://www.deq.state.or.us)

1. *What if I want to use paper forms to report updated information?*
2. *How do I determine my generator status?*
3. *As a CEG, should I withdraw my RCRA Site ID number?*
4. *How do I withdraw my RCRA Site ID number?*
5. *What if a change of ownership occurred?*
6. *Where do I get additional help?*

## 1. ***What if I want to use paper forms to report updated information?***

- Call the Annual Report Hot Line in Portland at (503) 229-6938 or toll-free in the State of Oregon at 1-800-452-4011, extension 6938.
- Send a request by email to [hazwaste@deq.state.or.us](mailto:hazwaste@deq.state.or.us).
- Download the Site ID Form from HazWaste.Net. If your generator status changed to a small or large quantity generator category you will also need to file the Waste Generation & Management Waste Stream (GM) Forms. Instructions for downloading and printing are provided in the attached HazWaste.Net General Instructions (see page 4).

## 2. ***How do I determine my generator status?***

Hazardous waste generators are regulated differently, depending on how much waste they generate or accumulate in each calendar month. For purposes of annual verification and reporting, your classification is based on the greatest status reached in any one month of the calendar year. For example, if you were a small quantity generator (SQG) for only one calendar month of the year, you must report as an SQG on the annual report. The three generator categories are:

Conditionally Exempt Generator (CEG) – in every calendar month you generate:

- 2.2 pounds or less of acute hazardous wastes, or
- 220 pounds or less of hazardous wastes, or
- 220 pounds or less of spill cleanup debris containing hazardous wastes, or
- never accumulated on-site more than 2,200 pounds of hazardous wastes

Small Quantity Generator (SQG) – in any one calendar month you generate:

- more than 220 pounds but less than 2,200 pounds of hazardous wastes, or
- more than 220 pounds but less than 2,200 pounds of spill cleanup debris containing hazardous wastes, or
- accumulated on-site more than 2,200 pounds of hazardous wastes

Large Quantity Generator (LQG) – in any one calendar month you generate:

- 2,200 or more pounds of hazardous waste, or
- 2,200 or more pounds of spill cleanup debris containing hazardous waste, or
- more than 2.2 pounds of acute hazardous wastes, or

- more than 220 pounds of spill cleanup debris containing an acute hazardous waste, or
- accumulated on-site more than 2.2 pounds of acute hazardous waste

### **3. As a CEG, should I withdraw my RCRA Site ID number?**

As a CEG, you have the following options:

#### Maintain the RCRA Site Number

- If there is any chance that your business may generate over the CEG waste limits in any one month. In some cases, a CEG may fall into the larger quantity limits requiring a site identification number during cleanout of outdated products, or while cleaning up a spill or release.
- Your hazardous waste transporter or collection facility requires a site identification number. It would be best to check because collection facilities that once required a DEQ site identification number are no longer requiring the number (e.g., Metro Recycling in Portland).
- If you fit into any of the following categories, you must maintain a RCRA Site ID number:
  - Small or Large Quantity Hazardous Waste Generator
  - Hazardous Waste Transporter
  - Treatment, Storage, or Disposal Facility
  - Hazardous Waste Recycling Facility
  - Marketer or Burner of Hazardous Waste Fuel
  - Universal Waste or Used Oil Reportable Activities

#### Withdraw your RCRA Site Number

- If your facility will never generate more than the CEG waste limits.
- Your hazardous waste transporter or collection facility does not require a RCRA site identification number.
- If your facility moved to a new location. If a RCRA Site ID number is needed for the new location, you must apply for a new number.
- If your facility is no longer operating.

### **4. How do I withdraw my RCRA Site ID number?**

Submit a Site Identification (SI) Form to DEQ by using the on-line HazWaste.Net reporting system or by filling out the hardcopy paper form. Follow these steps on the SI Form to withdraw your number:

#### Section 1. – Reason for Submittal

- Check the box "To Withdraw Site Identification Number"
- Check the box "Completion of RCRA Waste Activity"
- Provide an "Effective Date" indicating the date the site identification number was no longer needed. If you do not know the exact date, provide December 31 and the calendar year you are reporting (e.g., 12/31/05 is the calendar year DEQ is verifying at this time).



### Sections 3 through 9 – Site Location and Site Contact Information

You should be using a form that has your last reported site information pre-printed on the left side of form.

- Provide any new information in the space provided on the right hand side of the form.

### Section 10 – Hazardous Waste Activities

- In question 1, check the box for the correct generator status category (CEG, SQG, or LQG) for the calendar year you are reporting. If you had a SQG or LQG generator status you must also file the separate Generation & Management Waste Stream (GM) Forms.
- Check any other boxes in questions 2 through 10 of Section 10 if they apply to you.

Sections 11, 12 and 13 are not applicable for annual reporting (Use for notifying DEQ of new activities)

### Section 14 – Comments

Use this section to provide additional information.

### Section 15 – Certification

Provide your signature and date in this section. The completed form can then be mailed to the address provided at the top of the SI Form. An acknowledgement letter for withdrawal of the ID number will be mailed to you after processing.

## **5. What if a change of ownership occurred?**

A new owner or his/her representative must submit the Site ID (SI) Form by mail since a signature is required. You can generate a pre-populated SI Form in HazWaste.Net (see attached General Instructions for using HazWaste.Net) or call the Annual Report Hot Line to request a form. The pre-populated SI Form has the last reported site information with space to provide updated information. If the new owner does not need a RCRA Site ID number, then the previous owner should file the SI Form and withdraw the number.

## **6. Where do I get additional help?**

For questions about the RCRA Site ID number or the annual verification reporting, please call the DEQ Annual Report Hot Line in Portland at (503) 229-6938 or toll free within Oregon at (800) 452-4011, extension 6938.

For questions regarding hazardous waste regulations, please call the small business technical assistance staff in the DEQ regional office nearest you:

**Portland:** 2020 SW Fourth Avenue, Ste 400, Portland 97201 – Phone: **(503) 229-5263**

**Eugene:** 1102 Lincoln Street, Suite 210, Eugene 97401 – Phone: **(541) 686-7838**

**Medford:** 221 Stewart Avenue, Ste 201, Medford, OR 97501 – Phone: **(541) 776-6010**

**Salem:** 750 Front Street, NE, Suite. 120, Salem 97310 – Phone: **(503) 378-8240**

**Bend:** 2146 NE 4<sup>th</sup> Street, Ste 104, Bend, 97701 – Phone: **(541) 388-6146**

# GENERAL INSTRUCTIONS

## DEQ's Hazardous Waste Reporting System, HazWaste.net

This document provides general information for using HazWaste.net. For more detailed instructions, print the HazWaste.net Training Manual located at [www.deqhazwaste.net](http://www.deqhazwaste.net). The Form, Source, and Management code lists, needed for the waste generation and management (GM) form, can also be found at this internet address. For specific information about the questions asked on the reporting forms use the online help boxes (?) located next to each question.

### Navigation Tip

Please do not use the Back or Forward buttons to move between screens. This may result in your losing data. You can click the Forms tab on the top of the screen to select and open forms from the Reporting Forms Log screen.

### Creating a User Profile (Only for new users)

1. Go to the annual reporting home page at [www.deqhazwaste.net](http://www.deqhazwaste.net).
2. Click the **HazWaste.net** link located at the top of the page. This will open the **Sign In** screen.
3. Click the **Create User Profile** link that is located in the gray box to the right of the Sign In box. This will open the **PIN Validation** screen.
4. Type your RCRA Site Identification Number and Personal Identification Number (PIN). You can find your RCRA ID# and PIN in the enclosed cover letter.
5. Click the **Submit** button. This will open the **User Profile** screen.
6. Answer all the questions marked with a red asterisk (required fields). You choose your own user name and password. The user name is not case sensitive; the password is case sensitive.
7. Click the **Submit** button. You will return to the **Sign in** screen.

### Sign in to HazWaste.net (additional information provided for previous users on page 4)

8. Sign in to HazWaste.net at [www.deqhazwaste.net](http://www.deqhazwaste.net) using the user name and password you created.
9. Click **Submit**. After you sign in, sites assigned to you are displayed.
10. Click the **RCRA Site ID Number** link to begin your annual report.

### Entering your Site ID Form (Form used to collect site contacts and generator status)

11. The **Reporting Forms Log** screen, which shows your facility's reporting history, displays. Scroll down to the **Annual Report Form History** section. Your Reporting Year 2005 box displays.

Annual Report Form History			Add
Reporting Year: 2005			Edit Delete
Sent: 12/30/2005	Effective:	Delinq. Letter Sent:	
Status Flags	Annual Report Data		Functions
Submitted: No	Site ID Form: No Create	Import Files	
E-File: No		Export Files	
Extension Granted: No	GM - Waste Streams Generated (0)	Validate Data	
Follow-up Required: No	WR - Waste Streams Received (0)	Submit Data	
Verified: No	OI - Off-site Facilities (0)		
Caseworker:			
Comments:			

12. Click the **Create** link, located in the middle of this box, immediately after "Site ID Form." The **Site ID Form** displays.

13. Do the following:

- Section 1 : Only use this section if you want to withdraw your Site Identification Number:
  - Select the reason for withdrawing your number.
  - Select the Effective date.
  - Select Filing for partial year if you are filing the report for a portion of the year covering your ownership.
  - Select Clear Selection if you selected Withdraw or Revised by mistake.
- Section 2: Not applicable.
- Section 3-10: Last year's reporting information is displayed. Verify and update information. Answer all questions marked with a red asterisk (required fields).  
Note: In Section 6, Legal Owner, cannot not be changed electronically. See additional information on page 4 to print a pre-populated SI Form in order to mail hardcopy form.  
Note: In Section 10, Question 1, make sure your generator status matches the quantity of waste your facility generated during the 2005 reporting year.
- Section 11-13: Not applicable.
- Section 14: Enter comments to provide additional information.

14. Click the **Save** button. If no errors are identified, the **Reporting Forms Log** screen displays.

**CEGs skip to Step 34 "Submitting your data." Small and Large Quantity Generators continue with the following steps.**

**Entering your Off-site Facility Identification (OI) information (Form used to collect transporter and designated Treatment, Storage, Disposal [TSD] information)**

15. Scroll down to the **Annual Report Form History** section. Click the **OI – Off-site Facilities** link. The **OI Summary** screen displays.
16. Click the **Add** button. The **OI Facilities** screen opens.
17. You can complete this form by doing one of the following:
  - In the **Site Identification Number** box, type your handler's US EPA ID number and then Click the **Find** button, or
  - In the **Name** box, type your handler's name and then Click the **Find** button. Click the **RCRA Site ID** link next to the facility you want to select.
  - If the system does not return information on your handler, type the US EPA identification number, name, and address information for your handler, in the appropriate boxes.
18. **Select** the handler type(s).
19. Click the **Save and Validate** button at the bottom of screen. Click the **Save** button to save data without validating.
20. Repeat these steps to record all off-site facilities you used during the report year.
21. Select the **Forms** tab to return to the **Reporting Forms Log** screen.

**Entering your Generation and Management (GM) information (Form used to collect waste stream information)**

22. Scroll down to the **Annual Report Form History** section. Click the **GM – Waste Streams Generated** link. The **GM Waste Streams** summary screen displays.
23. Click the **Add** button. The **GM Form (simple version)** screen displays. You can Click the **Switch to Expert Version** button which will allow you to enter your data by keying in the information. On the simple version screen displayed, you can add information by typing or from drop down boxes. For example, the simple version has a drop down box that includes the site identification numbers you entered on the OI form. The simple version also gives you the option to **Select Waste Stream** to copy waste stream information from the previous year. This is a good feature if you have the same waste streams every year and want to save some typing of waste stream descriptions. Companies with a large amount of waste streams may

want to use the Export/Import feature to copy waste stream information. Contact the Annual Report Hotline for more information.

24. Provide all the information requested (A-1 through B-5).
25. Click the **Manage Shipments** button to record information about off-site shipments (B-6). The data entry screen for off-site shipments displays.
26. Provide all the information requested.
27. Click **Save and Return** button at the bottom of screen.
28. Click **Save and Validate** button when you are done with this waste stream. Click the **Save** button to save data without validating.
29. Repeat steps until you have entered all of your waste streams.
30. Select the **Forms** tab to return to the **Reporting Forms Log** screen.

#### **Validating your data**

31. On the **Reporting Forms Log** screen, scroll down to the **Annual Report Form History** section. Click the **Validate Data** link on the right side of the screen. If the **Validate Report Results** screen is displayed with errors, click on the form links to correct the errors. Printing a copy of the error report may be helpful if you have more than a few errors.
32. Correct all errors identified in the report and then validate your data again.
33. When you get a message "No errors at this time", select the **Forms** tab to return to the **Reporting Form Log** screen.

#### **Submitting your data**

34. On the **Reporting Forms Log** screen, scroll down to the **Annual Report Form History** section. Click the **Submit Data** link on the right side of the screen. The **Annual Report Submission** screen displays.  
Note: Only the Data Administrator has access to the **Submit Data** link. Review the Frequently Asked Questions document (questions 5 and 6) for help if you do not have access.
35. Click the **Submit** button.
36. Click **OK** if you want to certify your report. The system will do a final check of your data and will display a **Processing Request** message. Once your data is checked, the system will display one of two screens:
  - **Validate Report** screen. Correct all errors identified in the report and then submit your data again. The **Reporting Form Log** screen displays if there are no errors.
  - **Reporting Forms Log** screen with a "Your electronic submission to DEQ was successful. Thank you."
37. You can log off or print a copy of your report.

#### **Printing a copy of your submitted report (See page 4 for printing blank forms)**

38. To print a copy of the **RCRA Waste Site Identification Form**
  - On the **Reporting Forms Log** screen, in the **Site ID Form History** section, click the **Print** link next to the report you want to print. The most recent report submitted is displayed on the top row.
39. To print a copy of your **Generation and Management Answer Sheet**
  - Select the **Forms** tab to display the **Reporting Forms Log** screen and then scroll down to the **Annual Report Form History** section.
  - Click the **GM – Waste Streams Generated** link. The **GM Waste Streams** summary screen displays.
  - Click the **Print** link next to each waste stream.

If you need help using HazWaste.net, please call DEQ in Portland at (503) 229-6938 or toll-free within the State of Oregon at (800) 452-4011, extension 6938.

## Instructions for printing hardcopy forms from HazWaste.Net

### ***How do I print a Site ID Form from the HazWaste.net system?***

The Site ID Form printed from HazWaste.net will include the information reported in the previous year. There is space to provide updated information next to the last reported information.

- New users of HazWaste.Net would start by following the General Instructions for creating a user profile (Steps 1 through 10). Repeat users would sign into HazWaste.Net following the General Instructions Steps 8 through 10.
- On the Reporting Forms Log screen, select the "Open Pre-Printed Site ID Form" link at the top of the page.
- Select File and Print.

### ***Where do I find the GM Form and the associated Code lists?***

Go to [www.deq.hazwaste.net](http://www.deq.hazwaste.net) and scroll down towards the bottom of the screen. Open up the links to print these documents to report your waste stream information on hardcopy forms.

- Generation & Management Waste Stream (GM) Form
- Source Codes
- Form Codes
- Hazardous Waste Management Codes

## Additional information for previous users of HazWaste.Net

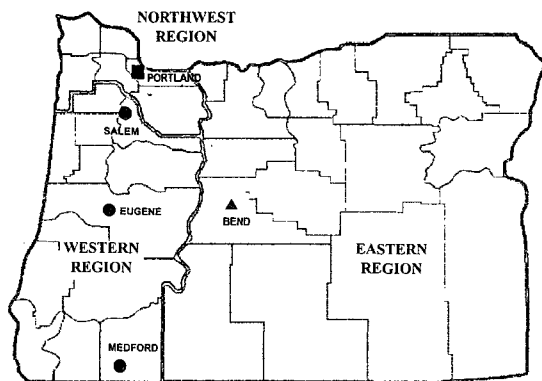
### ***What is the difference between a Data Administrator and Data Entry User?***

The enclosed cover letter includes the name of the latest Data Administrator from the previous reporting year. The Data Administrator is usually the first person to set up a user profile in HazWaste.net. A Data Administrator has annual report submission rights. Unless designated as a Data Administrator, other users only have data entry roles. Data entry users cannot submit the completed report to DEQ. Once you sign in to HazWaste.net, your user name and role is displayed on the top left corner of the screen. If you need your user role changed, follow the instructions in the next question.

### ***What do I do if the user name listed on the enclosed cover letter is not the person who will submit the 2005 report to DEQ?***

- Use the General Instructions to create a new user profile for the person who will submit your 2005 data. Use the PIN provided in the enclosed cover letter to access the system. This person is a data entry user until their status is changed to Data Administrator.
- Ask the 2004 Data Administrator to change the user's role. Go to the Admin tab located at the top of the Forms Log screen and click the Edit Role link to update roles; or
- Call or email the Annual Report Hotline and ask that your user role be changed to Data Administrator. In Portland call (503) 229-6938 or toll-free in Oregon at 1-800-452-4011, extension 6938. An email request can be sent to [hazwaste@deq.state.or.us](mailto:hazwaste@deq.state.or.us)

# Contacts For FREE Assistance from DEQ



Ask to speak with a Hazardous Waste Technical Assistance Staff Person:

■ **NORTHWEST REGION**

Portland – 503-229-5263

▲ **EASTERN REGION**

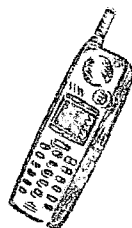
Bend – 541-388-6146

● **WESTERN REGION**

Eugene – 541-686-7838

Medford – 541-776-6010

Salem – 503-378-8240



Or

Toll-Free within Oregon:  
1-800-452-4011

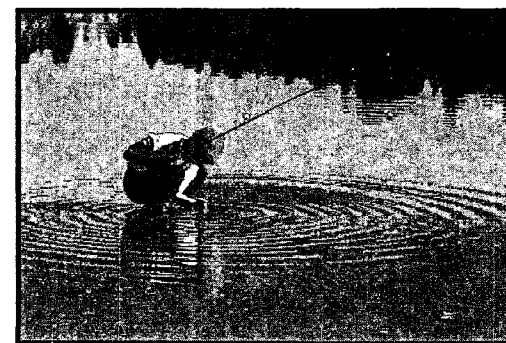
Or

Visit our web site:  
[www.deq.state.or.us/wmc/hwta.html](http://www.deq.state.or.us/wmc/hwta.html)



Oregon Department of Environmental Quality  
Land Quality Division  
Toxics Use & Waste Reduction Assistance Program  
811 SW Sixth Avenue  
Portland, OR 97204

# FIND SOLUTIONS



*Learn how to properly handle your:*

**Solvents & Paints**

**Oils & Coolants**

**Fluorescent Light Tubes**

**Batteries of all types**

**Mercury Thermostats &  
Automobile Switches**

**Lab Chemicals**

**Other Hazardous Waste**

## FREE ASSISTANCE



**Save Money & Time**

**Cut Costly Waste**

**Reduce Liability**



Oregon Department of Environmental Quality  
Toxics Use & Waste Reduction Assistance Program  
Land Quality Division

**Satisfied Customer:**

*"The relationship we have with DEQ has been very positive and sharing. We have seen cost savings by not having to purchase vast quantities of solvent for our paint operation. More environmental and economic benefits are well on the way to prove the value of our teamwork"*

**- Marty Nill, Guaranty Chevrolet**

## **WE CAN HELP YOU *know***

### ***WHAT...***

**Regulations apply to your  
business.**

### ***HOW...***

**You can most efficiently comply or  
become exempt.**

### ***WHERE...***

**You can properly dispose of your  
wastes and cut disposal costs.**

### ***WHO...***

**You can call for assistance.**

*Ask about our NEW Environmental  
Stewardship Assessment Tool*

## **Consultations**

- ◆ Help you identify opportunities for reducing toxic chemicals and hazardous wastes, potentially lessening the regulation you are subject to, and saving you money.
- ◆ Help you determine what areas need improvement, ensuring your compliance with applicable regulations.
- ◆ Present you with practical, best management practices (BMPs) for achieving these improvements and maintaining compliance.
- ◆ Help you with Electronic Annual Reporting and Toxics Use Reduction (TUR) planning.

## **Training**

- ◆ Offer basic hazardous waste training sessions. We also provide presentations tailored to your needs.

## **Phone Assistance**

- ◆ Respond to your questions promptly with current information and rule interpretations.
- ◆ Provide fact sheets, vendor lists, material exchange information, and other publications.

**Satisfied Customer:**

*"The DEQ technical service staff is a wonderful resource. I would absolutely recommend that other businesses utilize the service."*

**- George Baily, Airport Chevrolet**

**Satisfied Customer:**

*"By welcoming the DEQ HW technical assistance program as partners to help us reduce our hazardous materials use, we have completely eliminated one state permit and have become focused on reducing our generator status from SQG to CEG!"*

**- Jeff Shay, Rejuvenation, Inc.**

## **Eco-logical Business Program**

If you are an auto-related service or repair shop, or a landscape business, and would like to be certified for your environmental stewardship as an **Eco-logical Business**, call:



**Bend:** 541-338-6146

**Medford:** 541-776-6010

**Portland:** 503-229-5263

**Salem:** 503-378-8240

Ask to speak with an Air Quality Small Business Assistance Staff Person.

## **Small Business Waste Collection**

For household hazardous waste and some small business (Conditionally Exempt Generator) waste, call:

**Metro in NW Portland/Oregon City**  
1-800-732-9253 or 503-234-3000

**Lane County Glenwood Facility in Eugene**  
541-682-4120

**Marion County Facility in Salem**  
503-588-5169

*Other resources are available, contact us.*

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION



**HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION  
FOR REGISTRATION YEAR(S) 2007-2008**

**Registrant:** KOPPERS INC  
Attn: JOSEPH S SEBBENS  
436 SEVENTH AVENUE ROOM 1624  
PITTSBURGH, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

**Reg. No:** 061107 020 025P

**Issued:** 6/15/2007

**Expires:** 6/30/2008

**Record Keeping Requirements for the Registration Program**

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with PHMSA; and
- (2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, PHH-60, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC 20590, telephone (202) 366-4109.



**UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION**



**HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION  
FOR REGISTRATION YEAR 2004-2005**

**Registrant:** KOPPER INC  
JOSEPH S SEBBENS  
436 SEVENTH AVENUE RM 1624  
PITTSBURGH, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S. C. 5108. It is unlawful to alter or falsify this document.

**Reg. No:** 060804 002 007M

**Issued:** 06/08/04

**Expires:** 06/30/05

**Record Keeping Requirements for the Registration Program**

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202) 366-4109.

**UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION**



**HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION  
FOR REGISTRATION YEAR 2003-2004**

Registrant: **KOPPERS INDUSTRIES, INC**  
Attn: Josdeph S Sebbens  
436 Seventh Ave Room 1624  
Pittsburgh, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 052103 001 007L

Issued: 05/22/03

Expires: 06/30/04

**Record keeping Requirements for the Registration Program**

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202) 366-4109.

## INTEROFFICE CORRESPONDENCE

To: Hazardous Materials  
Contacts  
Location: Various  
Hazardous Materials  
Subject: Registration 1995-1996

From: J.S. Sebbens  
Purchasing & Traffic  
Location: Pgh., PA K-1650  
Date: July 6, 1995

ALL PLANT LOCATIONS  
DISTRIBUTION YARDS  
UPARC

Attached is a copy of Koppers Industries Hazardous Materials Certificate of Registration renewal for 1995-1996. Please keep this certificate on file or display one copy prominently in your facility as may be required by an authorized representative or agent of the U.S.DOT during an inspection. A copy of the certificate or registration number should also be carried in all company commercial motor vehicles.

The registration number: 062295 007 001D was issued to Koppers Industries on a corporate basis. All supporting documentation will be maintained on file in Pittsburgh as the principal place of business.

Registration is required annually. This certificate expires 6/30/96 and will be revised as our business dictates for our annual renewal.

Please direct any inquiries regarding our registration to the undersigned at (412) 227-2848.

Attachment

cc: B.L.Allison  
L.F.Flaherty  
J.E.Marcinowski  
D.N.Sweet  
R.K.Thomas

  
J.S. Sebbens

RECEIVED

JUL 10 1995

KOPPERS INDS., INC.  
PORTLAND, OR

**UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION**



**HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION**

Registrant: KOPPERS INDUSTRIES INC.  
Attn: J S Sebbens  
436 Seventh Avenue Rm. 1650  
Pittsburgh, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 062295 007 001D Issued: 06/23/95 Expires: 06/30/96

**Recordkeeping Requirements for the Registration Program**

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

Each motor carrier (private or for-hire) subject to the registration requirement must keep a copy of that carrier's current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202)366-4109.

# HAZARDOUS MATERIALS TRANSPORTATION 1995

<u>LOCATION</u>	<u>CONTACTS</u>
Woodward Coke	Dan Bell, Paul Walker
Woodward Tar	Gary Oglesby
Follansbee	Chuck Kraynik, Steve Lish
Chicago	Rob Harsh, Mike Mancione, Larry Hillard, Abe Green, Ollie Olvena
Portland	Amos Kamerer, Linda Robinson
Houston	Walt Geels
Monessen	Bob Ross, Wendy Rager
Guthrie	Albert Thomas
Montgomery	James Hatch
Grenada	Tom Henderson
Gainesville	Penny Salisbury
Green Spring	Mike Chaney
Harmarville	Stacey McKinney
Roanoke	Steve Bourne
Galesburg	Denver Naugle
Superior	Tim Ries, Steve Willis
Susquehanna	Richard Miller
Denver	Gene Brown, Alan von Lintell
Florence	Tim Richardson
Feather River	Mike Calcaterra
Somerville	Ted Woerle
Logansport	Mark Good
North Little Rock	Ken Martin
KRM	Paul Painter

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



**HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION**

Registrant: KOPPERS INDUSTRIES INC.  
Attn: J S Sebbens  
436 Seventh Avenue Room 2050  
Pittsburgh, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 060894 022 046C Issued: 06/09/94 Expires: 06/30/95

**Recordkeeping Requirements for the Registration Program**

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

Each motor carrier (private or for-hire) subject to the registration requirement must keep a copy of that carrier's current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202)366-4109.

RECEIVED

JUN 27 1994

KOPPERS INDS., INC.  
PORTLAND, OR

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION

Registrant: KOPPERS INDUSTRIES INC.  
Attn: J S Sebbens  
436 Seventh Avenue Room 2050  
Pittsburgh, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 062193 003 031B Issued: 06/24/93 Expires: 06/30/94

Recordkeeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

Each motor carrier (private or for-hire) subject to the registration requirement must keep a copy of that carrier's current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202)366-4109.



To: ALL PLANT LOCATIONS  
DISTRIBUTION YARDS  
Location: HARMARVILLE R&D  
Various  
Subject: HAZARDOUS MATERIALS  
REGISTRATION

From: Jay Sebbens  
Traffic & Transp.  
Location: K-2050, Pgh, PA  
Date: July 7, 1993

Attached is a copy of Koppers Industries' Hazardous Materials Certificate of Registration renewal for 1993-1994. Please keep this certificate on file or display prominently in your facility as may be required by an authorized representative or agent of the U.S. DOT during an inspection. A copy of the certificate or registration number should also be carried in all Company motor vehicles.

The registration no.: 062193 003 031B was issued to Koppers Industries on a corporate basis. All supporting documentation will be maintained on file in Pittsburgh as the principal place of business.

Registration is required annually. This Certificate expires 6/30/94 and will be revised as our business dictates for our annual renewal.

Please direct any inquiries regarding our registration to the undersigned at (412) 227-2848.

  
J. S. Sebbens

JSS:kas

Attachment

cc: B. L. Allison  
L. F. Flaherty  
J. Marcinowski  
R. S. Ohlis, Jr.  
J. Oxford  
P. A. Stadel  
D. N. Sweet  
P. J. Thomas  
R. K. Thomas

RECEIVED

JUL 12 1993  
KOPPERS INDS., INC.  
PORTLAND, OR

PLANTS AND DISTRIBUTION YARDS

A. Anastasio & Sons Trucking	-	New Haven, CT
G. Ambrose	-	Green Spring, WV
Steve Beauchamp	-	Hazleton, PA
R. C. Blankenbeker	-	N. Little Rock, AR
Charlie Burks	-	Wurtland, KY
Carney Bros.	-	Raynham, MA
C. C. Lounsbury, Inc.	-	Willimantic, CT
Jim Cole	-	Blue Springs, MO
Wm. N. Footer Trucking	-	Merrimack, NH
M. A. Franck	-	Roanoke, VA
T. A. Golubic	-	Follansbee, WV
Bill Guynn	-	Vanderbilt, PA
c/o J. R. Heller	-	Superior, WI
W. L. Hasley	-	Montgomery, AL
Hatchet Transportation	-	Jonesboro, LA
N. L. Hawker	-	Gainesville, FL
J. R. Heller	-	Galesburg, IL
P. W. Heal	-	Houston, TX
Eddie Jones	-	Orrville, OH
A. S. Kamerer	-	Portland, OR
J. J. Lawson	-	Denver, CO
H. E. McGough, Jr.	-	Guthrie, KY
D. E. Meadows	-	Woodward Coke, Woodward, AL
C. J. Mitchell	-	Florence, SC
Monroe Contractors Equip, Inc.	-	Fishers, NY
R. J. Morris	-	Woodward Tar, Woodward, AL
W. N. Morris	-	Oroville, CA
R. P. Murphey	-	Grenada, MS
Olsen & Guerra	-	Houston, TX
Packer River Terminal	-	South St. Paul, MN
Power Line Supply Co.	-	Lima, OH
D. A. Shaw	-	Muncy, PA
Pat & Lin Thoits	-	Yarmouth, ME
G. E. Trent, III	-	Chicago, IL

**INTEROFFICE CORRESPONDENCE**

To: ALL PLANT LOCATIONS  
DISTRIBUTION YARDS  
HARMARVILLE R&D  
Location: Various  
Subject: HAZARDOUS MATERIALS  
REGISTRATION


From: Jay Sebbens  
Traffic & Transp.  
K-2050, Pgh, PA  
Location:  
Date: July 7, 1993

Attached is a copy of Koppers Industries' Hazardous Materials Certificate of Registration renewal for 1993-1994. Please keep this certificate on file or display prominently in your facility as may be required by an authorized representative or agent of the U.S. DOT during an inspection. A copy of the certificate or registration number should also be carried in all Company motor vehicles.

The registration no.: 062193 003 031B was issued to Koppers Industries on a corporate basis. All supporting documentation will be maintained on file in Pittsburgh as the principal place of business.

Registration is required annually. This Certificate expires 6/30/94 and will be revised as our business dictates for our annual renewal.

Please direct any inquiries regarding our registration to the undersigned at (412) 227-2848.

  
J. S. Sebbens

JSS:kas

Attachment

cc: B. L. Allison  
L. F. Flaherty  
J. Marcinowski  
R. S. Ohlis, Jr.  
J. Oxford  
P. A. Stadel  
D. N. Sweet  
P. J. Thomas  
R. K. Thomas

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION

Registrant: J. S. Sebbens  
Koppers Industries Inc.  
436 Seventh Avenue Room 2050  
Pittsburgh, PA 15219

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 072492 502 036 Issued: 08/17/92 Expires: 06/30/93

Recordkeeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA;
- (2) A copy of the check, money order, or credit card billing statement showing payment of the registration and processing fee; and
- (3) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

Each motor carrier (private or for-hire) subject to the registration requirement must keep a copy of that carrier's current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202)366-4109.

PLANTS AND DISTRIBUTION YARDS

A. Anastasio & Sons Trucking	-	New Haven, CT
G. Ambrose	-	Green Spring, WV
Steve Beauchamp	-	Hazleton, PA
R. C. Blankenbeker	-	N. Little Rock, AR
Charlie Burks	-	Wurtland, KY
Carney Bros.	-	Raynham, MA
C. C. Lounsbury, Inc.	-	Willimantic, CT
Jim Cole	-	Blue Springs, MO
Wm. N. Footer Trucking	-	Merrimack, NH
M. A. Franck	-	Roanoke, VA
T. A. Golubic	-	Follansbee, WV
Bill Guynn	-	Vanderbilt, PA
W. L. Hasley	-	Galesburg, IL
J. R. Heller	-	Superior, WI
N. L. Hawker	-	Gainesville, FL
P. W. Heal	-	Houston, TX
Eddie Jones	-	Orrville, OH
A. S. Kameron	-	Portland, OR
A. L. & M Laird Trucking, Inc.	-	Kelly, LA
J. J. Lawson	-	Denver, CO
H. E. McGough, Jr.	-	Guthrie, KY
D. E. Meadows	-	Montgomery, AL
C. J. Mitchell	-	Florence, SC
Monroe Contractors Equip, Inc.	-	Fishers, NY
R. J. Morris	-	Woodward Tar, Woodward, AL
W. N. Morris	-	Oroville, CA
R. P. Murphey	-	Grenada, MS
Olsen & Guerra	-	Houston, TX
Packer River Terminal	-	South St. Paul, MN
Power Line Supply Co.	-	Lima, OH
D. A. Shaw	-	Muncy, PA
Pat & Lin Thoits	-	Yarmouth, ME
G. E. Trent, III	-	Chicago, IL
S. H. Tuggle	-	Woodward Coke, Woodward, AL

To: ALL PLANT LOCATIONS  
DISTRIBUTION YARDS  
Location: HARMARVILLE R&D  
Various  
Subject: HAZARDOUS MATERIALS REGISTRATION Date: August 25, 1992

From: Jay Sebbens  
Traffic & Transp.  
Location: K-2050, Pgh, PA

Attached is a copy of Koppers Industries' Hazardous Materials Certificate of Registration. Please keep this certificate on file or display prominently in your facility as may be required by an authorized representative or agent of the U.S. DOT during an inspection. A copy of the certificate or registration number should also be carried in all Company motor vehicles.

The registration no.: 072492 502 036 was issued to Koppers Industries on a corporate basis. All supporting documentation will be maintained on file in Pittsburgh as the principal place of business.

Registration is required annually. This Certificate expires 6/30/93 and will be revised as our business dictates for our annual renewal.

Please direct any inquiries regarding our registration to the undersigned at (412) 227-2848.

  
J. S. Sebbens

JSS:kas

Attachment

cc: B. L. Allison  
L. F. Flaherty  
J. Marcinowski  
R. S. Ohlis, Jr.  
J. Oxford  
P. A. Stadel  
D. N. Sweet  
P. J. Thomas

**RECEIVED**

AUG 27 1992  
KOPPERS INDS., INC.  
PORTLAND, OR

*John*

PLANTS AND DISTRIBUTION YARDS

RECEIVED

AUG 27 1992

A. Anastasio & Sons Trucking	-	New Hope, CT
G. Ambrose	-	Green Springs, WV
Steve Beauchamp	-	Hazleton, PA
R. C. Blankenbeker	-	N. Little Rock, AR
Charlie Burks	-	Wurtland, KY
Carney Bros.	-	Raynham, MA
C. C. Lounsbury, Inc.	-	Willimantic, CT
Jim Cole	-	Blue Springs, MO
Wm. N. Footer Trucking	-	Merrimack, NH
M. A. Franck	-	Roanoke, VA
T. A. Golubic	-	Follansbee, WV
Bill Guynn	-	Vanderbilt, PA
W. L. Hasley	-	Galesburg, IL
J. R. Heller	-	Superior, WI
N. L. Hawker	-	Gainesville, FL
P. W. Heal	-	Houston, TX
Eddie Jones	-	Orrville, OH
A. S. Kameron	-	Portland, OR
A. L. & M Laird Trucking, Inc.	-	Kelly, LA
J. J. Lawson	-	Denver, CO
H. E. McGough, Jr.	-	Guthrie, KY
D. E. Meadows	-	Montgomery, AL
C. J. Mitchell	-	Florence, SC
Monroe Contractors Equip, Inc.	-	Fishers, NY
R. J. Morris	-	Woodward Tar, Woodward, AL
W. N. Morris	-	Oroville, CA
R. P. Murphey	-	Grenada, MS
Olsen & Guerra	-	Houston, TX
Packer River Terminal	-	South St. Paul, MN
Power Line Supply Co.	-	Lima, OH
D. A. Shaw	-	Muncy, PA
Pat & Lin Thoits	-	Yarmouth, ME
G. E. Trent, III	-	Chicago, IL
S. H. Tuggle	-	Woodward Coke, Woodward, AL

KOPPERS INDS., INC.  
PORTLAND, OR

To: ALL PLANT LOCATIONS  
DISTRIBUTION YARDS  
Location: HARMARVILLE R&D  
Various  
Subject: HAZARDOUS MATERIALS REGISTRATION Date: August 25, 1992


From: Jay Sebbens  
Traffic & Transp.  
Location: K-2050, Pgh, PA

Attached is a copy of Koppers Industries' Hazardous Materials Certificate of Registration. Please keep this certificate on file or display prominently in your facility as may be required by an authorized representative or agent of the U.S. DOT during an inspection. A copy of the certificate or registration number should also be carried in all Company motor vehicles.

The registration no.: 072492 502 036 was issued to Koppers Industries on a corporate basis. All supporting documentation will be maintained on file in Pittsburgh as the principal place of business.

Registration is required annually. This Certificate expires 6/30/93 and will be revised as our business dictates for our annual renewal.

Please direct any inquiries regarding our registration to the undersigned at (412) 227-2848.

  
J. S. Sebbens

JSS:kas

Attachment

cc: B. L. Allison  
L. F. Flaherty  
J. Marcinowski  
R. S. Ohlis, Jr.  
J. Oxford  
P. A. Stadel  
D. N. Sweet  
P. J. Thomas



UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION

Registrant: J. S. Sebbens  
Koppers Industries Inc.  
436 Seventh Avenue Room 2050  
Pittsburgh, PA 15219

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 072492 502 036 Issued: 08/17/92 Expires: 06/30/93

Recordkeeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA;
- (2) A copy of the check, money order, or credit card billing statement showing payment of the registration and processing fee; and
- (3) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

Each motor carrier (private or for-hire) subject to the registration requirement must keep a copy of that carrier's current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202)366-4109.

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



**HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION**

Registrant: KOPPERS INDUSTRIES INC.  
Attn: J S Sebbens  
436 Seventh Ave. Room 1650  
Pittsburg, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 060297 010 023F Issued: 06/04/97 Expires: 06/30/98

**Recordkeeping Requirements for the Registration Program**

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202)366-4109.

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



**HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION**

Registrant: KOPPERS INDUSTRIES INC.  
Attn: J S Sebbens  
436 Seventh Ave. Room 1650  
Pittsburg, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 060297 010 023F Issued: 06/04/97 Expires: 06/30/98

**Recordkeeping Requirements for the Registration Program**

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202)366-4109.

*from 1996*

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION



HAZARDOUS MATERIALS  
CERTIFICATE OF REGISTRATION

Registrant: KOPPERS INDUSTRIES INC.  
Attn: J.S. Sebbens  
436 Seventh Avenue Rm. 1650  
Pittsburgh, PA 15219-1800

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of Section 106(c)(1) of the Hazardous Materials Transportation Act, 49 App. U.S.C. 1801, et. seq. It is unlawful to alter or falsify this document.

Reg. No: 050996 006 034E Issued: 05/10/96 Expires: 06/30/97

Recordkeeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with RSPA; and
- (2) This Certificate of Registration.

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U.S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, DHM-60 Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street, SW, Washington, DC 20590, telephone (202)366-4109.

JUN - 2 1997

LICENSE RENEWAL APPLICATION

CURRENT LICENSE EXPIRES: 06/30/1997  
Mail/Firm Number: 009865 009865  
Phone number: 503/286-3681  
FAX number:

Phone number: 503/286-3681  
FAX number:

Fill in gross sales or purchases where indicated. Make corrections to number of commercial scales and meters. Check box if license is no longer required. Incomplete Forms will delay processing your renewal and will be returned for completion. Payments processed after August 30 will be charged a late fee.


A SEPARATE FEE IS REQUIRED FOR EACH LICENSE CODE.

Calculate the fee amounts owed in the prior section from the schedule(s) below.

Schedule B - Measurement Standards Division: 986-4670  
- Weighing/Measuring Devices  
Type C SCALES 1161 pounds - 7500 pounds Capacity

Prepared By: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

**CIRCLE TERMS ON INVOICE**

CIRCLE TERMS ON INVOICE											
GIL	DET.	S-DET.	LOC.	DEPT.	TAX	EMP #	MOVE # PO #	AMOUNT			
305	973		9270	910	0362			60	INV # 07532724 DATE 6/2/97		
									↓ A/P DEPARTMENT USE ONLY ↓		
									VENDOR NUMBER 946626013		
									TERMS CODE: 045 DUE DATE: / /		
OK TO PAY 						GROSS AMOUNT 60			DIVISION	MONTH	AUDIT NUMBER
						DISCOUNT \$			483	6	92700358
						NET \$					

**IMPORTANT: CIRCLE TERMS ON INVOICE**

Koppers012283

## OREGON DEQ AIR PERMIT COMPLAINT LOG

### DATE AND TIME OF THE OBSERVED NUISANCE:

Saturday, 12/18/99, 3:30 PM

Brad Hanwood, Utility man, took the call; he called T.J. Turner, General Foreman, who called Amos Kammerer, Plant Manager

### NAME, LOCATION AND TELEPHONE OF THE CALLER:

Thomas Bently, Environmental Technician, Wacker Silbatic Corp.  
P.O. Box 83180, Portland, OR. 97283-0180

# 219-7302

Said that he had called a couple of times before Brad answered.

### DESCRIPTION OF THE NUISANCE CONDITION:

Employee complaints of odors at their water treatment plant, feeling NAUSEOUS AND ill. He said that the fumes were as bad as ever.

I gave him my home # and cell # and said that I would come down to the plant to check things out.

I asked him to call his boss at home, Tom McCue, Environmental Manager, to give him these numbers, should Tom want to talk to me.

### STATUS OF THE PLANT OPERATIONS AT THE TIME OF THE OBSERVED NUISANCE - (INCLUDE WEATHER AND WIND DIRECTION INFORMATION):

The plant was in a week-end "control" mode of operations, while we maintained heat to our systems, in preparation of the receipt of our 1st vessel of liquid pitch. The air was heavy, almost stagnant, but there was a slight breeze to the SE, towards Wacker. I found that with the addition of the new pitch storage Tank (T-200) to our fume recovery system, that the temperatures of the wash oil had risen to 296°F, which had resulted in the increased emissions. We immediately shut this system down, to stop the emissions. Since, then we have been shutting the system off and on, to maintain lower temperatures of the wash oil.

### DEQAIRCOMPLOG

Plus, our Engineering Dept. is expediting the purchase of a cooler system for this equipment.

A.S. Kammerer



OREGON DEQ AIR PERMIT COMPLAINT LOG

DATE AND TIME OF THE OBSERVED NUISANCE CONDITION:

8/5/99 - Thursday  
12:15 PM

NAME, LOCATION AND TELEPHONE OF THE RECEPTOR:

SUSAN Mulholland, WACKER Siltronic Corp.  
P.O. Box 83180, Portland 97283-0180  
# 219-7134

DESCRIPTION OF THE NUISANCE CONDITION:

Employees in the "Fab #1" room complained of "Cresote like" odors. The room was evacuated and they tested for "O-cresols", with negative results. No one got sick or went home.

STATUS OF THE PLANT OPERATION AT THE TIME OF THE OBSERVED PERIOD:

The plant was in normal operations, loading liquid Pitch Tank cars and getting ready to reload the melter.

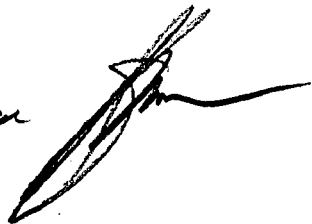
Other:

I advised Susan that we no longer inventory or use Cresote in the plant and have not since February 1999. She will report this to their employees at the next safety meeting.

\* PNO unloaded a car of their recycled fuel the day prior.

DEQAIRCOMPLOG

A.S. Kameau





# Oregon

Theodore Kulongoski, Governor

## Department of Environmental Quality

Northwest Region Portland Office

Air Quality Program

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

(503) 229-5554

FAX (503) 229-6945

TTY (503) 229-5471

January 2, 2008

Koppers, Inc.  
Attn: Sandra Schmittle  
436 Seventh Avenue  
Pittsburgh, PA 15219

Re: Issuance of Air Contaminant Discharge Permit

**Permit: # 26-2930**

The Department of Environmental Quality has completed processing your application to renew your Simple Air Contaminant Discharge permit. Based on the material contained in the application, we have issued the enclosed permit.

The effective date of the permit is the date the permit was signed by the regional Air Quality Manager.

The signature and date appear on the first page of each of the documents. The permit is issued pursuant to Oregon Revised Statutes 468A and Oregon Administrative Rules (OAR) 340-14-005 through 340-14-050, and 216-0010 through 216-0100.

You may appeal conditions or limitations contained in the attached permit by applying to the Environmental Quality Commission, or its authorized representative, within twenty days from the date of this letter. Appeals are pursuant to ORS Chapter 183 and OAR Chapter 340, Division 14-025(6). Appeal procedures are contained in OAR Division 11-005 through 11-140.

A copy of the current permit must be available at the facility at all times. Failure to comply with permit conditions may result in civil penalties. **You are expected to read the permits carefully and comply with all conditions** to protect the environment of Oregon.

All forms necessary to comply with the provisions set forth in this permit can be found on line at [http://www.deq.state.or.us/aq/aqpermits\\_home.htm](http://www.deq.state.or.us/aq/aqpermits_home.htm). Oregon Administrative Rules (OARs) can be found on site at <http://www.deq.state.or.us/aq/rules/index.htm>.

If you have any questions, please contact Kathy Amidon at (503) 667-8414, extension 55010

Sincerely,

Cory Wind  
Air Quality Manager  
Northwest Region

EJD:cab

CC: Koppers, Inc., Attn: T.J. Turner, 7540 NW St. Helens Road, Portland, OR 97210





**SIMPLE**  
**AIR CONTAMINANT DISCHARGE PERMIT**

Department of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, #400  
Portland, Oregon 97201  
(503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and  
based on the land use compatibility findings included in the permit record.

**ISSUED TO:**

Koppers, Inc.  
436 Seventh Avenue  
Pittsburgh, PA 15219-1800

**INFORMATION RELIED UPON:**

Application No.: 022207  
Date Received: 5/3/07

**PLANT SITE LOCATION:**

7540 NW St. Helens Road  
Portland, OR 97210

**LAND USE COMPATIBILITY FINDING:**

Approving Authority: City of Portland  
Approval Date: 9/15/97

**ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY**

  
Ed Druback, Northwest Region Air Quality Manager

11/2/08  
Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC/NAICS
Part B, 75	Source not otherwise listed that would emit 10 or more tons/year if uncontrolled (coal tar pitch processing)	2865 325192

## TABLE OF CONTENTS

1.0	GENERAL EMISSION STANDARDS AND LIMITS .....	3
2.0	OPERATION AND MAINTENANCE REQUIREMENTS .....	4
3.0	PLANT SITE EMISSION LIMITS .....	5
4.0	COMPLIANCE DEMONSTRATION .....	5
5.0	RECORDKEEPING REQUIREMENTS .....	5
6.0	REPORTING REQUIREMENTS .....	6
7.0	ADMINISTRATIVE REQUIREMENTS .....	8
8.0	FEES .....	9
9.0	GENERAL CONDITIONS AND DISCLAIMERS .....	9
10.0	EMISSION FACTORS.....	11
11.0	ABBREVIATIONS, ACRONYMS, AND DEFINITIONS .....	12

## **1.0 GENERAL EMISSION STANDARDS AND LIMITS**

- 1.1. Visible Emissions** The permittee must comply with the following visible emission limits, as applicable:
  - a. Emissions from any fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 3 minutes in any one hour.
  - b. Emissions from any air contaminant source other than fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 30 seconds in any one hour.
- 1.2. Particulate Matter Emissions** The permittee must comply with the following particulate matter emission limits, as applicable:
  - a. Particulate matter emissions from any boilers installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
  - b. Particulate matter emissions from boilers installed, constructed, or modified after June 1, 1970 must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
  - c. Particulate matter emissions from any air contaminant source installed on or before June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.2 grains per standard cubic foot.
  - d. Particulate matter emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 other than boilers and fugitive emission sources must not exceed 0.1 grains per standard cubic foot.
- 1.3. Fugitive Emissions** The permittee must take reasonable precautions to prevent fugitive dust emissions by:
  - a. Treating vehicular traffic areas of the plant site under the control of the permittee.
  - b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.
  - c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

- 1.4. **Particulate Matter Fallout** The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.
- 1.5. **Nuisance and Odors** The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.
- 1.6. **Fuels and Fuel Sulfur Content** The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.
- a. Fuel oils must not contain more than:
- i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;
- ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

## **2.0 NEW SOURCE PERFORMANCE STANDARDS**

- 2.1. **Applicability - Hot Oil Heater** The facility's North American hot oil heater installed in 1999 is an affected facility under 40 CFR 60, Subpart Dc because it combusts fuel to heat a "heat transfer medium".
- 2.2. **Fuel Monitoring** The permittee must record and maintain records of the amounts of each fuel combusted in the hot oil heater during each calendar month. These records must be retained on site for a period of at least two years.

## **3.0 OPERATION AND MAINTENANCE REQUIREMENTS**

- 3.1. **Fume Recovery System** The permittee is required to operate the fume recovery system during all times of product movement in the pitch/oil transfer system.
- 3.2. **Boiler Tune-up** The permittee must conduct a maintenance service on the boiler at least once every two years. At a minimum, the service must include an inspection of the burners and refractory chamber, cleaning, adjustment, and repair as necessary. Records of the service must be maintained on site for a period of two years.

## 4.0 PLANT SITE EMISSION LIMITS

### 4.1. Plant Site Emission Limits (PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
SO <sub>2</sub>	39	tons per year
NO <sub>x</sub>	39	tons per year
CO	99	tons per year
VOC	39	tons per year

### 4.2. Annual Period

The annual plant site emissions limits apply to any 12-consecutive calendar month period.

## 5.0 COMPLIANCE DEMONSTRATION

### 5.1. PSEL Compliance Monitoring

Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

$$E = \Sigma(EF \times P)/2000 \text{ lbs}$$

where,

$$\begin{aligned} E &= \text{pollutant emissions (ton/yr);} \\ EF &= \text{pollutant emission factor (Condition 11.0);} \\ P &= \text{process production data:} \\ &\quad \text{Oil combusted} \\ &\quad \text{Natural gas combusted} \\ &\quad \text{Hours of operation, fume recovery system} \end{aligned}$$

### 5.2. Emission Factors

The permittee must use the default emission factors provided in Condition 11.0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department.

## 6.0 RECORDKEEPING REQUIREMENTS

### 6.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices, monthly unless otherwise stated:

- a. Throughput of coal tar pitch;
- b. Throughput of heavy oil;
- c. Boiler operating time, in hours;
- d. Total hot oil heater operating time, in hours;
- e. Natural gas combusted in the hot oil heater, in MMCF;
- f. Natural gas combusted in the plant, in MMCF;
- g. Distillate oil combusted, in 1,000 gallons;
- h. Hours of operation of the fume recovery system
- i. Monthly calculation of emissions, per Condition 5.1.

**6.2. Excess Emissions**

The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity for 3 minutes or more in any 60-minute period. If there is an ongoing excess emission caused by an upset or breakdown, the permittee must cease operation of the equipment or facility no later than 48 hours after the beginning of the excess emissions, unless continued operation is approved by the Department in accordance with OAR 340-214-0330(4).

**6.3. Complaint Log**

The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.

**6.4. Retention of Records**

Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

## **7.0 REPORTING REQUIREMENTS**

**7.1. Excess Emissions**

The permittee must notify DEQ of excess emissions events if the excess emission is of a nature that could endanger public health.

- a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 8.4 by e-mail, telephone, facsimile, or in person.

- b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.
- c. The permittee must also submit follow-up reports when required by the Department.

## 7.2. Annual Report

For each year this permit is in effect, the permittee must submit to the Department by **February 15** two (2) copies of the following information for the previous calendar year:

- a. Operating parameters:
  - i. Annual throughput of coal tar pitch;
  - ii. Annual throughput of heavy oil;
  - iii. Boiler operating time;
  - iv. Total hot oil heater operating time;
  - v. Highest sulfur content of oil combusted;
  - vi. Types and quantities of fuels combusted (1,000 gallons and MMCF);
  - vii. Annual hours of operation of the fume recovery system;
- b. A summary of annual pollutant emissions determined each month in accordance with Condition 5.1.
- c. Records of all planned and unplanned excess emissions events.
- d. Summary of complaints relating to air quality received by permittee during the year.
- e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.
- f. List major maintenance performed on pollution control equipment.

## 7.3. Notice of Change of Ownership or Company Name

The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

- a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
- b. Sale or exchange of the activity or facility.

- 7.4. Construction or Modification Notices** The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:
- a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;
  - b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or
  - c. Constructing or modifying any air pollution control equipment.
- 7.5. Where to Send Reports and Notices** The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 8.3.

## **8.0 ADMINISTRATIVE REQUIREMENTS**

- 8.1. Permit Renewal Application** The completed application package for renewal of this permit is due on 9/1/2012. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 8.3
- 8.2. Permit Modifications** Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.
- 8.3. Permit Coordinator Addresses** All reports, notices, and applications should be directed to the Permit Coordinator for DEQ's Northwest Region:
- Department of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, Suite 400  
Portland, OR 97201-4987  
Telephone: (503) 229-5582
- 8.4. Department Contacts** Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at [www.deq.state.or.us](http://www.deq.state.or.us). All inquiries about this permit should be directed to DEQ's Northwest Region Office:



Department of Environmental Quality  
East Side Office, Air Quality Section  
1550 NW Eastman Parkway, Suite 290  
Gresham, OR 97030  
Telephone: (503) 667-8414

## **9.0 FEES**

- 9.1. **Annual Compliance Fee** The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a Simple ACDP is due on **December 1** of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date.
- 9.2. **Change of Ownership or Company Name Fee** The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.
- 9.3. **Special Activity Fees** The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.
- 9.4. **Where to Submit Fees** Fees must be submitted to:  
Department of Environmental Quality  
Business Office  
811 SW Sixth Avenue  
Portland, Oregon 97204-1390

## **10.0 GENERAL CONDITIONS AND DISCLAIMERS**

- 10.1. **Permitted Activities** This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.
- 10.2. **Other Regulations** In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
- 10.3. **Conflicting Conditions** In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.

- 10.4. Masking of Emissions** The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
- 10.5. Department Access** The permittee must allow the Department's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
- 10.6. Permit Availability** The permittee must have a copy of the permit available at the facility at all times.
- 10.7. Open Burning** The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
- 10.8. Asbestos** The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
- 10.9. Property Rights** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
- 10.10. Termination, Revocation, or Modification** The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

## 11.0 EMISSION FACTORS

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF reference
Oil Combustion	SO <sub>2</sub>	71.0	Lb/1,000 gallons	DEQ Factors
	NO <sub>x</sub>	20.0	Lb/1,000 gallons	
	CO	5.0	Lb/1,000 gallons	
	VOC	0.2	Lb/1,000 gallons	
Natural Gas Combustion	SO <sub>2</sub>	2.6	Lb/MMCF	DEQ Factors
	NO <sub>x</sub>	100.0	Lb/MMCF	
	CO	84.0	Lb/MMCF	
	VOC	2.8	Lb/MMCF	
Fume Recovery System	VOC	1.37	Lb/hour	Calculated by Chemcad

## 12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit	NSR	New Source Review
ASTM	American Society for Testing and Materials	O <sub>2</sub>	oxygen
AQMA	Air Quality Maintenance Area	OAR	Oregon Administrative Rules
calendar year	The 12-month period beginning January 1st and ending December 31st	ORS	Oregon Revised Statutes
CFR	Code of Federal Regulations	O&M	operation and maintenance
CO	carbon monoxide	Pb	lead
DEQ	Oregon Department of Environmental Quality	PCD	pollution control device
dscf	dry standard cubic foot	PM	particulate matter
EPA	US Environmental Protection Agency	PM <sub>10</sub>	particulate matter less than 10 microns in size
FCAA	Federal Clean Air Act	ppm	part per million
gal	gallon(s)	PSD	Prevention of Significant Deterioration
gr/dscf	grains per dry standard cubic foot	PSEL	Plant Site Emission Limit
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	PTE	Potential to Emit
I&M	inspection and maintenance	RACT	Reasonably Available Control Technology
lb	pound(s)	scf	standard cubic foot
MMBtu	million British thermal units	SER	Significant Emission Rate
NA	not applicable	SIC	Standard Industrial Code
NESHAP	National Emissions Standards for Hazardous Air Pollutants	SIP	State Implementation Plan
NO <sub>x</sub>	nitrogen oxides	SO <sub>2</sub>	sulfur dioxide
NSPS	New Source Performance Standard	Special Control Area	as defined in OAR 340-204-0070
		VE	visible emissions
		VOC	volatile organic compound
		year	A period consisting of any 12-consecutive calendar months

Department of Environmental Quality  
Northwest Region  
Air Quality Program

**Simple**  
**AIR CONTAMINANT DISCHARGE PERMIT**  
**REVIEW REPORT**

Koppers, Inc.  
7540 NW St. Helens Road  
Portland, OR 97210  
(503) 286-3681

Unassigned emissions	
Emission credits	
Source test	
COMS	
CEMS	
Compliance schedule	
Special conditions	
Annual report	X
Semi-annual report	
Quarterly report	

Monthly report	
Excess emissions report	
NSPS	X
NESHAP	
NSR	
PSD	
RACT	
FCE	
Public Notice	II

**TABLE OF CONTENTS**

PERMITTING .....	2
SOURCE DESCRIPTION.....	2
COMPLIANCE.....	3
EMISSIONS .....	3
MAJOR SOURCE APPLICABILITY .....	4
ADDITIONAL REQUIREMENTS.....	4
PUBLIC NOTICE.....	5

## **PERMITTING**

### PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on 11/27/02 and was originally scheduled to expire on 9/1/07. Addendum 1, issued 5/2/03, changed the corporate name from Koppers Industries, Inc. to Koppers, Inc.

### OTHER PERMITS

2. Other permits issued or required by the Department of Environmental Quality for this source include NPDES 10164 for the control of storm water.

### ATTAINMENT STATUS

3. The source is located in a maintenance area for CO and Ozone. NO<sub>x</sub> and VOC are precursors to Ozone. The facility is an insignificant source of CO, NO<sub>x</sub> and VOC. The area is in attainment for all other criteria pollutants.

## **SOURCE DESCRIPTION**

### OVERVIEW

4. Koppers, Inc. receives, stores, and transfers coal tar pitch used in the primary aluminum production industry and residual oil. Hot oil heaters warm the coal tar pitch prior to load-out to trucks. Fumes from storage transfer and processing are collected and routed to a fume control system.
5. No changes have been made to the facility since the last permit renewal.

### PROCESS AND CONTROL DEVICES

6. Existing air contaminant sources at the facility consist of the following:
  - a. One N. American boiler, fired on natural gas or distillate oil, 21 MM Btu/hr, 1965
  - b. Two N. American hot oil heaters, fired on natural gas or distillate oil, 8 MM Btu/hr, 1990 and 10 MM Btu/hr, 1999
  - c. Pitch/oil transfer system, 150,000 tons/yr, 1965; modified 1999
  - d. Fume recovery system with scrubber, 1987
  - e. Storage tank T-200 and a fume combustion system, 2.1 million gallons, 1999
  - f. Six storage tanks, 45,000 gallons to 248,000 gallons, built 1927 - 1952

## COMPLIANCE

7. The facility was inspected on 2/28/06 and found to be in compliance with permit conditions.
8. During the prior permit period there were no complaints recorded for this facility.
9. No enforcement actions have been taken against this source since the last permit renewal.

## EMISSIONS

10. Proposed PSEL information:

Pollutant	Baseline Emission Rate (tons/yr)	Netting Basis		Plant Site Emission Limits (PSEL)		
		Previous (tons/yr)	Proposed (tons/yr)	Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	PSEL Increase (tons/yr)
SO <sub>2</sub>	0	0	0	39	39	0
NO <sub>x</sub>	0	0	0	39	39	0
CO	0	0	0	99	99	0
VOC	0	0	0	39	39	0

- a. The proposed PSELs for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
- b. PM/PM<sub>10</sub> are considered negligible and are not included in the PSEL.
- c. Fuel usage is estimated at 184 MMCF of natural gas and 100,000 gallons of diesel oil.
- d. The PSEL is a federally enforceable limit on the potential to emit.

### SIGNIFICANT EMISSION RATE ANALYSIS

11. For each pollutant, the proposed Plant Site Emission Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

## MAJOR SOURCE APPLICABILITY

### CRITERIA POLLUTANTS

12. A major source is a facility that has the potential to emit 100 or more tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions. PTE for this facility is: 21 tons SO<sub>2</sub>; 23 tons NO<sub>x</sub>; 6 tons CO; and 19 tons VOC.

### HAZARDOUS AIR POLLUTANTS

13. A major source is a facility that has the potential to emit 10 or more tons/year of any single HAP, or 25 or more tons/year of combined HAPs. This facility is not a major source of hazardous air pollutants.

Hazardous Air Pollutant	Potential to Emit (tons/year)
Napthalene	2.00
Quinoline	0.13
Biphenyl	0.16
Dibenzofuran	1.0
Total	3.0

## ADDITIONAL REQUIREMENTS

### NSPS APPLICABILITY

14. 40 CFR 60 Dc, Small Steam Generating Units, is applicable to the hot oil heater installed in 1999. 40 CFR 60.41c defines a steam generating unit as "a device that combusts any fuel and produces steam or heats water or any other heat transfer medium." The hot oil heater has a heat input value of 10 MM Btu/hour and is thus subject to the NSPS.

The permittee has removed from the hot oil heater the ability to combust oil; only natural gas will be used. See the letter dated 10/10/07 in the file. The only applicable requirement is to keep records of fuels used in the heater. No reporting requirement applies. Fuel usage records will be kept on site for review.

### NESHAPS/MACT APPLICABILITY

15. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.



#### RACT APPLICABILITY

16. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the categorical RACT rules do not apply. The facility does not have the potential to emit 100 tons of any criteria pollutant, thus source specific RACT does not apply.

#### TACT APPLICABILITY

17. The source is meeting the states TACT/Highest and Best Rules by using water in the fume recovery system instead of oil and using the recovery system only as needed. A thermal oxidizer will be installed when production levels reach 5,000 tons per month for three consecutive months (NC 18175, 6/2000)

### **PUBLIC NOTICE**

18. Pursuant to OAR 340-216-0064(5)(a), issuance of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b), which requires that the Department provide notice of the proposed permit action and a minimum of 30 days for interested persons to submit written comments. The public notice was mailed on 11/21/07 and the comment period ended on 12/21/07. One member of the public submitted comments.
19. The commenter noted that hours of operation of the fume recovery system were used in the PSEL compliance calculation but were not included in the monitoring section. This was corrected. The commenter suggested that the fume recovery system should operate whenever there was an opportunity for fume emissions. A requirement to operate the recovery system whenever product is being moved was added. The commenter also suggested a source test to verify the emission factor used to calculate VOC from the fume recovery system. The permittee uses ChemCad software to calculate a monthly emission factor for the equipment. This is considered to be more reliable than a source test, which captures data for only one point in time.

ka:gg  
1/17/2008

Department of Environmental Quality  
Northwest Region  
Air Quality Program

**Simple**  
**AIR CONTAMINANT DISCHARGE PERMIT**  
**REVIEW REPORT**

Koppers, Inc.  
7540 NW St. Helens Road  
Portland, OR 97210  
(503) 286-3681

Unassigned emissions	
Emission credits	
Source test	
COMS	
CEMS	
Compliance schedule	
Special conditions	
Annual report	X
Semi-annual report	
Quarterly report	

Monthly report	
Excess emissions report	
NSPS	X
NESHAP	
NSR	
PSD	
RACT	
FCE	
Public Notice	II

**TABLE OF CONTENTS**

PERMITTING .....	2
SOURCE DESCRIPTION .....	2
COMPLIANCE.....	3
EMISSIONS .....	3
MAJOR SOURCE APPLICABILITY .....	4
ADDITIONAL REQUIREMENTS.....	4
PUBLIC NOTICE.....	5

## **PERMITTING**

### PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on 11/27/02 and was originally scheduled to expire on 9/1/07. Addendum 1, issued 5/2/03, changed the corporate name from Koppers Industries, Inc. to Koppers, Inc.

### OTHER PERMITS

2. Other permits issued or required by the Department of Environmental Quality for this source include NPDES 10164 for the control of storm water.

### ATTAINMENT STATUS

3. The source is located in a maintenance area for CO and Ozone. NO<sub>x</sub> and VOC are precursors to Ozone. The facility is an insignificant source of CO, NO<sub>x</sub> and VOC. The area is in attainment for all other criteria pollutants.

## **SOURCE DESCRIPTION**

### OVERVIEW

4. Koppers, Inc. receives, stores, and transfers coal tar pitch used in the primary aluminum production industry and residual oil. Hot oil heaters warm the coal tar pitch prior to load-out to trucks. Fumes from storage transfer and processing are collected and routed to a fume control system.
5. No changes have been made to the facility since the last permit renewal.

### PROCESS AND CONTROL DEVICES

6. Existing air contaminant sources at the facility consist of the following:
  - a. One N. American boiler, fired on natural gas or distillate oil, 21 MM Btu/hr, 1965
  - b. Two N. American hot oil heaters, fired on natural gas or distillate oil, 8 MM Btu/hr, 1990 and 10 MM Btu/hr, 1999
  - c. Pitch/oil transfer system, 150,000 tons/yr, 1965; modified 1999
  - d. Fume recovery system with scrubber, 1987
  - e. Storage tank T-200 and a fume combustion system, 2.1 million gallons, 1999
  - f. Six storage tanks, 45,000 gallons to 248,000 gallons, built 1927 - 1952

## COMPLIANCE

7. The facility was inspected on 2/28/06 and found to be in compliance with permit conditions.
8. During the prior permit period there were no complaints recorded for this facility.
9. No enforcement actions have been taken against this source since the last permit renewal.

## EMISSIONS

10. Proposed PSEL information:

Pollutant	Baseline Emission Rate (tons/yr)	Netting Basis		Plant Site Emission Limits (PSEL)		
		Previous (tons/yr)	Proposed (tons/yr)	Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	PSEL Increase (tons/yr)
SO <sub>2</sub>	0	0	0	39	39	0
NO <sub>x</sub>	0	0	0	39	39	0
CO	0	0	0	99	99	0
VOC	0	0	0	39	39	0

- a. The proposed PSELs for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
- b. PM/PM<sub>10</sub> are considered negligible and are not included in the PSEL.
- c. Fuel usage is estimated at 184 MMCF of natural gas and 100,000 gallons of diesel oil.
- d. The PSEL is a federally enforceable limit on the potential to emit.

## SIGNIFICANT EMISSION RATE ANALYSIS

11. For each pollutant, the proposed Plant Site Emission Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

## MAJOR SOURCE APPLICABILITY

### CRITERIA POLLUTANTS

12. A major source is a facility that has the potential to emit 100 or more tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions. PTE for this facility is: 21 tons SO<sub>2</sub>; 23 tons NO<sub>x</sub>; 6 tons CO; and 19 tons VOC.

### HAZARDOUS AIR POLLUTANTS

13. A major source is a facility that has the potential to emit 10 or more tons/year of any single HAP, or 25 or more tons/year of combined HAPs. This facility is not a major source of hazardous air pollutants.

Hazardous Air Pollutant	Potential to Emit (tons/year)
Napthalene	2.00
Quinoline	0.13
Biphenyl	0.16
Dibenzofuran	1.0
Total	3.0

## ADDITIONAL REQUIREMENTS

### NSPS APPLICABILITY

14. 40 CFR 60 Dc, Small Steam Generating Units, is applicable to the hot oil heater installed in 1999. 40 CFR 60.41c defines a steam generating unit as "a device that combusts any fuel and produces steam or heats water or any other heat transfer medium." The hot oil heater has a heat input value of 10 MM Btu/hour and is thus subject to the NSPS.

The permittee has removed from the hot oil heater the ability to combust oil; only natural gas will be used. See the letter dated 10/10/07 in the file. The only applicable requirement is to keep records of fuels used in the heater. No reporting requirement applies. Fuel usage records will be kept on site for review.

### NESHAPS/MACT APPLICABILITY

15. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.

RACT APPLICABILITY

16. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the categorical RACT rules do not apply. The facility does not have the potential to emit 100 tons of any criteria pollutant, thus source specific RACT does not apply.

TACT APPLICABILITY

17. The source is meeting the states TACT/Highest and Best Rules by using water in the fume recovery system instead of oil and using the recovery system only as needed. A thermal oxidizer will be installed when production levels reach 5,000 tons per month for three consecutive months (NC 18175, 6/2000)

**PUBLIC NOTICE**

18. Pursuant to OAR 340-216-0064(5)(a), issuance of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b), which requires that the Department provide notice of the proposed permit action and a minimum of 30 days for interested persons to submit written comments. **The public notice was made available for public comment from November 21, 2007 until December 21, 2007, 5pm..**

ka:gg  
11/20/2007



# Oregon

Theodore Kulongoski, Governor

Department of Environmental Quality  
Northwest Region Portland Office  
Air Quality Program  
2020 SW 4<sup>th</sup> Avenue, Suite 400  
Portland, OR 97201-4987  
(503) 229-5554  
FAX (503) 229-6945  
TTY (503) 229-5471

November 20, 2007

Koppers, Inc.  
Attn: T. J. Turner  
7540 NW St. Helens Rd.  
Portland, OR 97210

Re: Public Notice For  
Air Contaminant Discharge Permit # 26-2930

Your application for a renewal of your Air Contaminant Discharge Permit has been reviewed by the Department of Environmental Quality and a proposed permit has been drafted.

A public notice period for the purpose of receiving comments from the public will start November 21, 2007 and will end December 21, 2007, 5pm. You are invited to review the attached copy of the proposed permit and submit any comments you may have prior to the end of the notice period. The public notice is distributed to interested individuals and the media.

All comments received will be evaluated by the Department and action on the proposed permit will be taken in the near future.

Sincerely,

Catherine Blaine  
Northwest Region Permit Coordinator

CC: Sandra Schmittle, Koppers, Inc., 436 7<sup>th</sup> Avenue, Pittsburgh, PA, 15219



# Request for Comments

## Proposed Renewal of Air Quality Permit for Koppers, Inc.

The purpose of this notice is to invite you to provide written comments on this proposed air quality permit.

### DEQ's Role:

The Oregon Department of Environmental Quality (DEQ) is responsible for protecting and enhancing Oregon's water and air quality, for cleaning up spills and releases of hazardous materials, and for managing the proper disposal of hazardous and solid wastes. One way DEQ does this is by requiring permits for certain activities. DEQ issues permits to regulate the type and amount of air emissions at a regulated facility. Under Oregon law, DEQ has no authority over land use issues and cannot affect the siting of any facility.

### Comments due:

Written comments due: 5 p.m., December 21, 2007

### Where can I send my comments?

Catherine Blaine, AQ Permit Coordinator  
(503) 229-5554 or 1-800-452-4011  
2020 SW Fourth Avenue, Suite 400  
Portland, OR 97201  
Fax: (503) 229-5265  
blaine.catherine@deq.state.or.us

### Where can I get technical information?

Kathy Amidon, Permit Writer  
(503) 667-8414, ext. 55010  
1550 NW Eastman Parkway, Suite 290  
Gresham, OR 97030  
Fax: (503) 674-5148  
amidon.kathy@deq.state.or.us

### How can I review documents?

You can review electronic versions of the draft permit and review report in the online version of this document located at:

<http://www.deq.state.or.us/news/publicnotices/PN.asp>

You can review a hard copy of the draft permit and review report at the Northwest Branch, Multnomah County Library located at 2300 NW Thurman, Portland. The application, draft permit and draft report are available for review at the DEQ office in Portland. For a review appointment, call Susan Curry at (503) 229-6736.

### What is proposed?

DEQ proposes to renew an air permit for Koppers, Inc. and is inviting public comment on the proposed permitting action. During the comment period the public is invited to make comments related to specific conditions within the proposed permit.

### Permit expiration:

Oregon law requires facilities with a Simple Air Contaminant Discharge Permit to renew that permit every five years. When issued, this permit will be effective for five years, expiring on 11/1/2012.

### Who is the applicant?

Koppers, Inc.  
7540 NW St. Helens Road  
Portland, OR 97210

### What is the permit number?

26-2930-SI-01

### Who might have an interest?

People who work, live, and recreate near the plant site.

### What does Koppers do that affects air quality?

Koppers, Inc. receives, stores, and transfers coal tar pitch used in the primary aluminum production industry, and residual oil. Hot oil heaters warm the coal tar pitch prior to load-out to trucks. Fumes from storage transfer and processing are collected and routed to a fume control system. The facility includes one boiler and several storage tanks.

### What legal requirements apply?

Oregon Revised Statutes (ORS) 468A.040 and Oregon Administrative Rules (OAR) Chapter 340 Division 216 and 218 give DEQ the authority to issue permits. OAR Chapter 340 Divisions 200 through 268 contains all pertinent rules that govern the air quality program.

### How does DEQ determine what requirements go in the permit?

Various federal and state regulations apply to a facility depending on the type of industry, the type and amount of pollutants emitted, and the location of the facility. All applicable regulations must be contained in the permit, including the appropriate recordkeeping,



State of Oregon  
Department of  
Environmental  
Quality

Northwest Region  
Air Quality  
2020 SW Fourth Avenue  
Portland, OR 97201  
Phone: (503) 229-5554  
(800) 452-4011  
Fax: (503) 229-6945

[www.oregon.gov/DEQ](http://www.oregon.gov/DEQ)

Notice Issued: 11/21/07  
By: Kathy Amidon

Koppers012310



monitoring, and reporting requirements to ensure compliance with these rules.

### **Meeting air quality standards**

Air quality in rural Columbia County meets the National Ambient Air Quality Standards (NAAQS) established by the US Environmental Protection Agency (EPA) to protect public health. DEQ has determined that the air emissions from Koppers, Inc. will not result in a violation of those standards. DEQ is responsible for establishing permit emissions limits that ensure air quality standards are not violated.

### **What pollutants are considered in determining permitted limits?**

EPA and DEQ use six key pollutants as indicators of air quality. These are known as "criteria pollutants" and are compounds that, if inhaled, may lead to health effects that generally aggravate cardiovascular and respiratory disease. If the amount of criteria pollutants emitted is greater than a regulated minimum, then emission limits are established.

Hazardous air pollutants (HAPs) are compounds that, if inhaled, may pose a threat of adverse human health or environmental effects, including, for example, acute or chronic toxicity, cancer, birth defects, or reproductive dysfunction. The mere presence of these pollutants in the air does not necessarily mean that a health risk exists. EPA has established a list of 187 compounds that are classified and regulated as HAPs. If the amount of HAPs released is greater than a regulated minimum level, then additional requirements may also apply.

For more information about criteria pollutants, go to:

[www.deq.state.or.us/aq/forms/2005ar/2005ar.pdf](http://www.deq.state.or.us/aq/forms/2005ar/2005ar.pdf)

For more information about hazardous air pollutants, go to:

[www.epa.gov/ttn/atw/hlthef/hapindex.html](http://www.epa.gov/ttn/atw/hlthef/hapindex.html)

### **How are the permitted substances measured?**

Emissions are calculated using established emission factors and a simple calculation.

### **Emissions and permit limits**

Table 1 below presents the maximum allowable emissions for the facility. The Proposed

Emission Limit reflects the maximum amount of emissions the facility would be able to emit under the proposed permit. Typically, a facility's actual emissions are less than the maximum limits established in a permit; however, actual emissions can increase up to the permitted limit.

The proposed facility does not have the potential to be a major source of HAPs. In addition, EPA has determined that these types of sources do not warrant regulation for HAPs. Combustion of natural gas results in only trace amounts of various HAPs.

### **Compliance history:**

There have been no complaints or enforcement actions against this facility since the last permit renewal. The facility was inspected on 2/28/06 and found to be in compliance with permit conditions.

### **What are the special conditions of this permit?**

One hot oil heater is subject to New Source Performance Standards. The Standards require that the company monitor the types and amounts of fuels combusted in the heater on a monthly basis.

### **What other DEQ permits are required?**

This facility also has a storm water discharge permit.

### **What other sources of air pollutants are in the vicinity of the facility?**

Koppers, Inc. is located near the rail yards in northwest Portland. It is a designated heavy industrial area.

EPA and DEQ split up the sources into three categories: point, area, and mobile sources. Point sources are primarily large industrial facilities. Area sources are smaller than point sources and include backyard burning, woodstoves, consumer products, gasoline stations, etc. Mobile sources include cars, trucks, airplanes, ships, railroads, and construction equipment.

### **What other information about this company is related to this permit?**

The company operates no other facilities in the area.

### **What happens next?**

After the comment period closes, DEQ will consider and provide responses to all comments received. DEQ may modify provisions in the proposed permit, but the permit writer can only



modify conditions of the permit in accordance with the rules and statutes under the authority of DEQ. Participation in the rulemaking or the legislative process is the only way to change the rules or statutes. Ultimately, if a facility meets all legal requirements, DEQ will issue the facility's air quality permit.

accommodations or if you need information in large print, Braille or another format. To make these arrangements, contact DEQ Communications & Outreach (503) 229-5696 or toll free in Oregon at (800) 452-4011; fax to 503-229-6762; or e-mail to [deqinfo@deq.state.or.us](mailto:deqinfo@deq.state.or.us).

#### Accessibility information

DEQ is committed to accommodating people with disabilities at our hearings. Please notify DEQ of any special physical or language

People with hearing impairments may call DEQ's TTY number, (503) 229-6993.

**Table 1**

<b>Criteria Pollutant</b>	<b>Current Limit (tons/yr)</b>	<b>Proposed Limit (tons/yr)</b>
Sulfur Dioxide (SO <sub>2</sub> )	39	39
Nitrogen Oxides (NO <sub>x</sub> )	39	39
Carbon Dioxide (CO)	99	99
Volatile Organic Compounds(VOC)	39	39



**SIMPLE**  
**AIR CONTAMINANT DISCHARGE PERMIT**

Department of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, #400  
Portland, Oregon 97201  
(503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and  
based on the land use compatibility findings included in the permit record.

---

**ISSUED TO:**

Koppers, Inc.  
436 Seventh Avenue  
Pittsburgh, PA 15219-1800

**INFORMATION RELIED UPON:**

Application No.: 022207  
Date Received: 5/3/07

**PLANT SITE LOCATION:**

7540 NW St. Helens Road  
Portland, OR 97210

**LAND USE COMPATIBILITY FINDING:**

Approving Authority: City of Portland  
Approval Date: 9/15/97

**ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY**

---

Ed Druback, Northwest Region Air Quality Manager

---

---

Dated

---

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC/NAICS
Part B, 75	Source not otherwise listed that would emit 10 or more tons/year if uncontrolled (coal tar pitch processing)	2865 325192

**TABLE OF CONTENTS**

1.0	GENERAL EMISSION STANDARDS AND LIMITS .....	3
2.0	OPERATION AND MAINTENANCE REQUIREMENTS .....	4
3.0	PLANT SITE EMISSION LIMITS .....	5
4.0	COMPLIANCE DEMONSTRATION .....	5
5.0	RECORDKEEPING REQUIREMENTS .....	5
6.0	REPORTING REQUIREMENTS .....	6
7.0	ADMINISTRATIVE REQUIREMENTS .....	8
8.0	FEES .....	9
9.0	GENERAL CONDITIONS AND DISCLAIMERS .....	9
10.0	EMISSION FACTORS.....	11
11.0	ABBREVIATIONS, ACRONYMS, AND DEFINITIONS .....	12

## **1.0 GENERAL EMISSION STANDARDS AND LIMITS**

- 1.1. Visible Emissions** The permittee must comply with the following visible emission limits, as applicable:
- a. Emissions from any fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 3 minutes in any one hour.
  - b. Emissions from any air contaminant source other than fuel burning equipment must not equal or exceed 20% opacity for a period aggregating more than 30 seconds in any one hour.
- 1.2. Particulate Matter Emissions** The permittee must comply with the following particulate matter emission limits, as applicable:
- a. Particulate matter emissions from any boilers installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
  - b. Particulate matter emissions from boilers installed, constructed, or modified after June 1, 1970 must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
  - c. Particulate matter emissions from any air contaminant source installed on or before June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.2 grains per standard cubic foot.
  - d. Particulate matter emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 other than boilers and fugitive emission sources must not exceed 0.1 grains per standard cubic foot.
- 1.3. Fugitive Emissions** The permittee must take reasonable precautions to prevent fugitive dust emissions by:
- a. Treating vehicular traffic areas of the plant site under the control of the permittee.
  - b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.
  - c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

- 1.4. Particulate Matter Fallout** The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.
- 1.5. Nuisance and Odors** The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.
- 1.6. Fuels and Fuel Sulfur Content** The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.
- a. Fuel oils must not contain more than:
- i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;
  - ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

## **2.0 NEW SOURCE PERFORMANCE STANDARDS**

- 2.1. Applicability - Hot Oil Heater** The facility's North American hot oil heater installed in 1999 is an affected facility under 40 CFR 60, Subpart Dc because it combusts fuel to heat a "heat transfer medium".
- 2.2. Fuel Monitoring** The permittee must record and maintain records of the amounts of each fuel combusted in the hot oil heater during each calendar month. These records must be retained on site for a period of at least two years.

## **3.0 OPERATION AND MAINTENANCE REQUIREMENTS**

- 3.1. Boiler Tune-up** The permittee must conduct a maintenance service on the boiler at least once every two years. At a minimum, the service must include an inspection of the burners and refractory chamber, cleaning, adjustment, and repair as necessary. Records of the service must be maintained on site for a period of two years.

## 4.0 PLANT SITE EMISSION LIMITS

### 4.1. Plant Site Emission Limits (PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
SO <sub>2</sub>	39	tons per year
NO <sub>x</sub>	39	tons per year
CO	99	tons per year
VOC	39	tons per year

### 4.2. Annual Period

The annual plant site emissions limits apply to any 12-consecutive calendar month period.

## 5.0 COMPLIANCE DEMONSTRATION

### 5.1. PSEL Compliance Monitoring

Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

$$E = \Sigma(EF \times P)/2000 \text{ lbs}$$

where,

$$\begin{aligned} E &= \text{pollutant emissions (ton/yr);} \\ EF &= \text{pollutant emission factor (Condition 11.0);} \\ P &= \text{process production data:} \\ &\quad \text{Oil combusted} \\ &\quad \text{Natural gas combusted} \\ &\quad \text{Hours of operation, fume recovery system} \end{aligned}$$

### 5.2. Emission Factors

The permittee must use the default emission factors provided in Condition 11.0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department.

## 6.0 RECORDKEEPING REQUIREMENTS

### 6.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices, monthly unless otherwise stated:

- a. Throughput of coal tar pitch;
  - b. Throughput of heavy oil;
  - c. Boiler operating time, in hours;
  - d. Total hot oil heater operating time, in hours;
  - e. Natural gas combusted in the hot oil heater, in MMCF;
  - f. Natural gas combusted in the plant, in MMCF;
  - g. Distillate oil combusted, in 1,000 gallons;
- Monthly calculation of emissions, per Condition 5.1.

- 6.2. Excess Emissions** The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity for 3 minutes or more in any 60-minute period. If there is an ongoing excess emission caused by an upset or breakdown, the permittee must cease operation of the equipment or facility no later than 48 hours after the beginning of the excess emissions, unless continued operation is approved by the Department in accordance with OAR 340-214-0330(4).
- 6.3. Complaint Log** The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.
- 6.4. Retention of Records** Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

## **7.0 REPORTING REQUIREMENTS**

- 7.1. Excess Emissions** The permittee must notify DEQ of excess emissions events if the excess emission is of a nature that could endanger public health.
- a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 8.4 by e-mail, telephone, facsimile, or in person.



- b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.
- c. The permittee must also submit follow-up reports when required by the Department.

## 7.2. Annual Report

For each year this permit is in effect, the permittee must submit to the Department by **February 15** two (2) copies of the following information for the previous calendar year:

- a. Operating parameters:
  - i. Annual throughput of coal tar pitch;
  - ii. Annual throughput of heavy oil;
  - iii. Boiler operating time;
  - iv. Total hot oil heater operating time;
  - v. Highest sulfur content of oil combusted;
  - vi. Types and quantities of fuels combusted (1,000 gallons and MMCF)
- b. A summary of annual pollutant emissions determined each month in accordance with Condition 5.1.
- c. Records of all planned and unplanned excess emissions events.
- d. Summary of complaints relating to air quality received by permittee during the year.
- e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.
- f. List major maintenance performed on pollution control equipment.

## 7.3. Notice of Change of Ownership or Company Name

The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

- a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
- b. Sale or exchange of the activity or facility.

- 7.4. Construction or Modification Notices** The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:
- a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;
  - b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or
  - c. Constructing or modifying any air pollution control equipment.
- 7.5. Where to Send Reports and Notices** The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 8.3.

## **8.0 ADMINISTRATIVE REQUIREMENTS**

- 8.1. Permit Renewal Application** The completed application package for renewal of this permit is due on 9/1/2012. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 8.3
- 8.2. Permit Modifications** Application for a modification of this permit must be submitted not less than **60** days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.
- 8.3. Permit Coordinator Addresses** All reports, notices, and applications should be directed to the Permit Coordinator for DEQ's Northwest Region:
- Department of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, Suite 400  
Portland, OR 97201-4987  
Telephone: (503) 229-5582
- 8.4. Department Contacts** Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at [www.deq.state.or.us](http://www.deq.state.or.us). All inquiries about this permit should be directed to DEQ's Northwest Region Office:

Department of Environmental Quality  
East Side Office, Air Quality Section  
1550 NW Eastman Parkway, Suite 290  
Gresham, OR 97030  
Telephone: (503) 667-8414

## 9.0 FEES

- 9.1. **Annual Compliance Fee** The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a Simple ACDP is due on **December 1** of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date.
- 9.2. **Change of Ownership or Company Name Fee** The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.
- 9.3. **Special Activity Fees** The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.
- 9.4. **Where to Submit Fees** Fees must be submitted to:  
Department of Environmental Quality  
Business Office  
811 SW Sixth Avenue  
Portland, Oregon 97204-1390

## 10.0 GENERAL CONDITIONS AND DISCLAIMERS

- 10.1. **Permitted Activities** This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.
- 10.2. **Other Regulations** In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
- 10.3. **Conflicting Conditions** In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.

- 10.4. Masking of Emissions** The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
- 10.5. Department Access** The permittee must allow the Department's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
- 10.6. Permit Availability** The permittee must have a copy of the permit available at the facility at all times.
- 10.7. Open Burning** The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
- 10.8. Asbestos** The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
- 10.9. Property Rights** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
- 10.10. Termination, Revocation, or Modification** The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

**11.0 EMISSION FACTORS**

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF reference
Oil Combustion	SO <sub>2</sub>	71.0	Lb/1,000 gallons	DEQ Factors
	NO <sub>x</sub>	20.0	Lb/1,000 gallons	
	CO	5.0	Lb/1,000 gallons	
	VOC	0.2	Lb/1,000 gallons	
Natural Gas Combustion	SO <sub>2</sub>	2.6	Lb/MMCF	DEQ Factors
	NO <sub>x</sub>	100.0	Lb/MMCF	
	CO	84.0	Lb/MMCF	
	VOC	2.8	Lb/MMCF	
Fume Recovery System	VOC	1.37	Lb/hour	Calculated by Chemcad

## 12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit	NSR	New Source Review
ASTM	American Society for Testing and Materials	O <sub>2</sub>	oxygen
AQMA	Air Quality Maintenance Area	OAR	Oregon Administrative Rules
calendar year	The 12-month period beginning January 1st and ending December 31st	ORS	Oregon Revised Statutes
CFR	Code of Federal Regulations	O&M	operation and maintenance
CO	carbon monoxide	Pb	lead
DEQ	Oregon Department of Environmental Quality	PCD	pollution control device
dscf	dry standard cubic foot	PM	particulate matter
EPA	US Environmental Protection Agency	PM <sub>10</sub>	particulate matter less than 10 microns in size
FCAA	Federal Clean Air Act	ppm	part per million
gal	gallon(s)	PSD	Prevention of Significant Deterioration
gr/dscf	grains per dry standard cubic foot	PSEL	Plant Site Emission Limit
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	PTE	Potential to Emit
I&M	inspection and maintenance	RACT	Reasonably Available Control Technology
lb	pound(s)	scf	standard cubic foot
MMBtu	million British thermal units	SER	Significant Emission Rate
NA	not applicable	SIC	Standard Industrial Code
NESHAP	National Emissions Standards for Hazardous Air Pollutants	SIP	State Implementation Plan
NO <sub>x</sub>	nitrogen oxides	SO <sub>2</sub>	sulfur dioxide
NSPS	New Source Performance Standard	Special Control Area	as defined in OAR 340-204-0070
		VE	visible emissions
		VOC	volatile organic compound
		year	A period consisting of any 12-consecutive calendar months

Draft

Review Report/Permit No.: 26-2930-SI-01

Application number: 22207

Page 1 of 5

Department of Environmental Quality  
Northwest Region  
Air Quality Program

**Simple**  
**AIR CONTAMINANT DISCHARGE PERMIT**  
**REVIEW REPORT**

Koppers, Inc.  
7540 NW St. Helens Road  
Portland, OR 97210  
(503) 286-3681

Unassigned emissions	
Emission credits	
Source test	
COMS	
CEMS	
Compliance schedule	
Special conditions	
Annual report	X
Semi-annual report	
Quarterly report	

Monthly report	
Excess emissions report	
NSPS	X
NESHAP	
NSR	
PSD	
RACT	
FCE	
Public Notice	II

**TABLE OF CONTENTS**

PERMITTING .....	2
SOURCE DESCRIPTION.....	2
COMPLIANCE.....	3
EMISSIONS .....	3
MAJOR SOURCE APPLICABILITY .....	4
ADDITIONAL REQUIREMENTS.....	4
PUBLIC NOTICE.....	5

## **PERMITTING**

### PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on 11/27/02 and was originally scheduled to expire on 9/1/07. Addendum 1, issued 5/2/03, changed the corporate name from Koppers Industries, Inc. to Koppers, Inc.

### OTHER PERMITS

2. Other permits issued or required by the Department of Environmental Quality for this source include NPDES 10164 for the control of storm water.

### ATTAINMENT STATUS

3. The source is located in a maintenance area for CO and Ozone. NO<sub>x</sub> and VOC are precursors to Ozone. The facility is an insignificant source of CO, NO<sub>x</sub> and VOC. The area is in attainment for all other criteria pollutants.

## **SOURCE DESCRIPTION**

### OVERVIEW

4. Koppers, Inc. receives, stores, and transfers coal tar pitch used in the primary aluminum production industry and residual oil. Hot oil heaters warm the coal tar pitch prior to load-out to trucks. Fumes from storage transfer and processing are collected and routed to a fume control system.
5. No changes have been made to the facility since the last permit renewal.

### PROCESS AND CONTROL DEVICES

6. Existing air contaminant sources at the facility consist of the following:
  - a. One N. American boiler, fired on natural gas or distillate oil, 21 MM Btu/hr, 1965
  - b. Two N. American hot oil heaters, fired on natural gas or distillate oil, 8 MM Btu/hr, 1990 and 10 MM Btu/hr, 1999
  - c. Pitch/oil transfer system, 150,000 tons/yr, 1965; modified 1999
  - d. Fume recovery system with scrubber, 1987
  - e. Storage tank T-200 and a fume combustion system, 2.1 million gallons, 1999
  - f. Six storage tanks, 45,000 gallons to 248,000 gallons, built 1927 - 1952



## COMPLIANCE

7. The facility was inspected on 2/28/06 and found to be in compliance with permit conditions.
8. During the prior permit period there were no complaints recorded for this facility.
9. No enforcement actions have been taken against this source since the last permit renewal.

## EMISSIONS

10. Proposed PSEL information:

Pollutant	Baseline Emission Rate (tons/yr)	Netting Basis		Plant Site Emission Limits (PSEL)		
		Previous (tons/yr)	Proposed (tons/yr)	Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	PSEL Increase (tons/yr)
SO <sub>2</sub>	0	0	0	39	39	0
NO <sub>x</sub>	0	0	0	39	39	0
CO	0	0	0	99	99	0
VOC	0	0	0	39	39	0

- a. The proposed PSELs for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
- b. PM/PM<sub>10</sub> are considered negligible and are not included in the PSEL.
- c. Fuel usage is estimated at 184 MMCF of natural gas and 100,000 gallons of diesel oil.
- d. The PSEL is a federally enforceable limit on the potential to emit.

### SIGNIFICANT EMISSION RATE ANALYSIS

11. For each pollutant, the proposed Plant Site Emission Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

## MAJOR SOURCE APPLICABILITY

### CRITERIA POLLUTANTS

12. A major source is a facility that has the potential to emit 100 or more tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions. PTE for this facility is: 21 tons SO<sub>2</sub>; 23 tons NO<sub>x</sub>; 6 tons CO; and 19 tons VOC.

### HAZARDOUS AIR POLLUTANTS

13. A major source is a facility that has the potential to emit 10 or more tons/year of any single HAP, or 25 or more tons/year of combined HAPs. This facility is not a major source of hazardous air pollutants.

Hazardous Air Pollutant	Potential to Emit (tons/year)
Napthalene	2.00
Quinoline	0.13
Biphenyl	0.16
Dibenzofuran	1.0
Total	3.0

## ADDITIONAL REQUIREMENTS

### NSPS APPLICABILITY

14. 40 CFR 60 Dc, Small Steam Generating Units, is applicable to the hot oil heater installed in 1999. 40 CFR 60.41c defines a steam generating unit as "a device that combusts any fuel and produces steam or heats water or any other heat transfer medium." The hot oil heater has a heat input value of 10 MM Btu/hour and is thus subject to the NSPS.

The permittee has removed from the hot oil heater the ability to combust oil; only natural gas will be used. See the letter dated 10/10/07 in the file. The only applicable requirement is to keep records of fuels used in the heater. No reporting requirement applies. Fuel usage records will be kept on site for review.

### NESHAPS/MACT APPLICABILITY

15. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.

RACT APPLICABILITY

16. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the categorical RACT rules do not apply. The facility does not have the potential to emit 100 tons of any criteria pollutant, thus source specific RACT does not apply.

TACT APPLICABILITY

17. The source is meeting the states TACT/Highest and Best Rules by using water in the fume recovery system instead of oil and using the recovery system only as needed. A thermal oxidizer will be installed when production levels reach 5,000 tons per month for three consecutive months (NC 18175, 6/2000)

**PUBLIC NOTICE**

18. Pursuant to OAR 340-216-0064(5)(a), issuance of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b), which requires that the Department provide notice of the proposed permit action and a minimum of 30 days for interested persons to submit written comments. **The public notice was made available for public comment from November 21, 2007 until December 21, 2007, 5pm..**

ka:gg  
11/20/2007



Koppers Inc.

**Carbon Materials and Chemicals**

7540 NW Saint Helens Road

Portland, OR 97210-3663

Tel 503 286 3681

Fax 503 285 2831

[www.koppers.com](http://www.koppers.com)

October 10, 2007

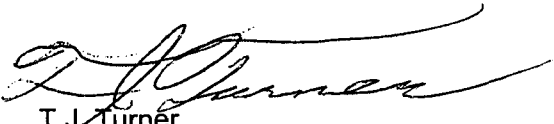
Kathy Amidon  
Oregon Department Of Environmental  
Quality  
Northwest Region-Air Quality Program

**Subject: Simple Air Contaminant Discharge Permit- Koppers Inc. Northwest Terminal:**

Dear Ms. Amidon,

Koppers Inc. appreciates the opportunity to comment on the draft air permit. Koppers understands based on conversations with you and section 2 of the draft permit regarding New Source Performance Standard (NSPS) applicability could be deleted if Koppers did not use diesel fuel to fire the 10 MM BTU hot oil heater. The Portland Terminal maintained the option to use diesel in the event of interruption of the natural gas supply but has never used diesel fuel in this capacity. Koppers has evaluated this alternative and has decided that it is not necessary to maintain the ability to use diesel fuel in the 10MM BTU heater. These fuel oil lines have been disconnected and removed from the 10MM BTU heater. Therefore, since diesel fuel will not be used for this heater, please delete section 2 and all corresponding monitoring and reporting requirements from the draft permit. Thank You for your clarification of the regulatory requirements and the opportunity to review the draft permit.

Sincerely,



T.J. Turner  
Plant Superintendent

Koppers012330



# Oregon

Theodore Kulongoski., Governor

## Department of Environmental Quality

Northwest Region Portland Office

Air Quality Program

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

(503) 229-5554

FAX (503) 229-6945

TTY (503) 229-5471

May 4, 2007

Koppers, Inc.  
Attn: Sandra Schmittal  
436 Seventh Ave.  
Pittsburgh, PA 15219-1800

Re: Renewal Application  
Koppers Inc.  
Permit #26-2930 App. # 22207

The application for a renewal of your existing Standard Air Contaminant Discharge Permit was received by the Department of Environmental Quality on May 3, 2007 and has been assigned application number 22207. The Department will contact you if additional information is needed. Please reference the permit number in all correspondence to the Department related to this facility.

If no action has been taken on your application by the expiration date of your present permit, your present permit will remain in effect until final permit action is taken.

In addition to meeting the air quality standards, your facility is also obligated to operate in compliance with the daytime and nighttime noise standards set forth in Oregon Administrative Rule (OAR) 340-35-035(1). A copy of the noise regulations can now be found on line at <http://www.deq.state.or.us/aq/rules/index.htm>.

If you have any questions please contact Tina Leppaluoto at (503) 667-8414 extension 55020.

Sincerely,

*Catherine Blaine*  
Catherine Blaine  
Permit Coordinator  
Air Quality Program  
Northwest Region

Cc: NWR  
T. J. Turner, Plant Superintendent, Koppers inc., 7540 NW St. Helens Rd., Portland, OR, 97210



**SIMPLE**  
**AIR CONTAMINANT DISCHARGE PERMIT**

Department of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, #400  
Portland, Oregon 97201  
(503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and  
based on the land use compatibility findings included in the permit record.

**ISSUED TO:**

Koppers Industries, Inc.  
7540 NW Saint Helens Road  
Portland, OR 97210-3663

**INFORMATION RELIED UPON:**

Application No.: 0020276  
Date Received: 06/27/2002

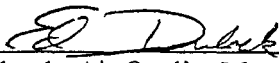
**PLANT SITE LOCATION:**

7540 NW Saint Helens Road  
Portland, OR 97210-3663

**LAND USE COMPATIBILITY FINDING:**

Approving Authority: City of Portland  
Approval Date: 09/15/1997

**ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY**

  
Ed Druback, Air Quality Manager

**NOV 27 2002**  
Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC
Part B, #75	All Other Sources not listed in Part B (Coal tar pitch processing facility)	2865

## TABLE OF CONTENTS

1.0	GENERAL EMISSION STANDARDS AND LIMITS .....	3
2.0	OPERATION AND MAINTENANCE REQUIREMENTS .....	5
3.0	PLANT SITE EMISSION LIMITS .....	5
4.0	COMPLIANCE DEMONSTRATION .....	6
5.0	RECORDKEEPING REQUIREMENTS .....	6
6.0	REPORTING REQUIREMENTS .....	7
7.0	ADMINISTRATIVE REQUIREMENTS .....	9
8.0	FEES .....	10
9.0	GENERAL CONDITIONS AND DISCLAIMERS .....	10
10.0	EMISSION FACTORS.....	11
11.0	PROCESS/PRODUCTION RECORDS.....	12
12.0	ABBREVIATIONS, ACRONYMS, AND DEFINITIONS .....	12

## **1.0 GENERAL EMISSION STANDARDS AND LIMITS**

- 1.1 Visible Emissions**      The permittee must comply with the following visible emission limits, as applicable:
- a. Emissions from any air contaminant source installed on or before June 1, 1970 must not exceed an opacity equal to or greater than 40% for a period aggregating more than 3 minutes in any one hour.
  - b. Emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 must not exceed an opacity equal to or greater than 20% for a period aggregating more than 3 minutes in any one hour.
  - c. Emissions from any air contaminant source other than fuel burning equipment must not exceed an opacity equal to or greater than 20% for a period aggregating more than 30 seconds in any one hour.
- 1.2. Particulate Matter Emissions**      The permittee must comply with the following particulate matter emission limits, as applicable:
- a. Particulate matter emissions from any fuel burning equipment installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
  - b. Particulate matter emissions from any burning equipment installed, constructed, or modified after June 1, 1970 must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
  - c. Particulate matter emissions from fuel burning equipment must not exceed:
    - i. 0.2 grains per dry standard cubic foot corrected to 12% CO<sub>2</sub> when using wood residue in equipment that existed before April 7, 1978;
    - ii. 0.1 grains per dry standard cubic foot corrected to 12% CO<sub>2</sub> when using wood residue in equipment that did not exist before April 7, 1978; or
    - iii. The emission rate shown in Figure 1 of OAR 340-208-0610 as a function of the maximum heat input when using all other fuels, except natural gas and LPG.
  - d. Particulate matter emissions from any air contaminant source installed on or before June 1, 1970 other than fuel



burning equipment and fugitive emission sources must not exceed 0.2 grains per standard cubic foot.

- e. Particulate matter emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.1 grains per standard cubic foot.
- f. Non-fugitive particulate matter emissions from any process must not exceed the amount shown in Table 1 of OAR 340-226-0310 for the process weight allocated to such a process.

**1.3. Fugitive Emissions**

The permittee must take reasonable precautions to prevent fugitive dust emissions by:

- a. Treating vehicular traffic areas of the plant site under the control of the permittee.
- b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.
- c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

**1.4. Particulate Matter Fallout**

The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.

**1.5. Nuisance and Odors**

The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

**1.6. Fuels and Fuel Sulfur Content**

The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.

- a. Fuel oils must not contain more than:
  - i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;
  - ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

- iii. 1.75% sulfur by weight for residual oil;
- b. The permittee is allowed to use on-specification used oil as fuel which contains no more than 0.5% sulfur by weight. The permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.

## 2.0 OPERATION AND MAINTENANCE REQUIREMENTS

- 2.1. Work practices
  - a. The permittee shall at all times maintain and operate all air contaminant generating processes and all air contaminant control equipment at full efficiency and effectiveness, such that the emission of air contaminant are kept at the lowest practicable levels.
  - b. A maintenance service must be performed on the boiler at least once every two years. As a minimum, the service must include an inspection of the burners and refractory chamber, cleaning adjustment, and repair as necessary. Records of the service shall be maintained on site for a period of two (2) years and for Department's inspection.

## 3.0 PLANT SITE EMISSION LIMITS

### 3.1. Plant Site Emission Limits (PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
SO <sub>2</sub>	39	tons per year
NO <sub>x</sub>	39	tons per year
CO	99	tons per year
VOC	39	tons per year

### 3.2. Annual Period

The annual plant site emissions limits apply to any 12-consecutive calendar month period.

## 4.0 COMPLIANCE DEMONSTRATION

- 4.1. **Monitoring Requirements** The permittee must monitor the operation and maintenance of the plant and associated air contaminant control devices as follows:
- All operating and production parameters to be reported to the Department annually as required in Condition 6.0.
  - Excess emission (recorded on occurrence)
  - A description of any maintenance to the air contaminant control system (recorded on occurrence)

- 4.2. **PSEL Compliance Monitoring** Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

$$E = \Sigma(EF \times P)/2000 \text{ lbs}$$

where,

- E = pollutant emissions (ton/yr);  
EF = pollutant emission factor (see condition 0);  
P = process production (see condition 11.0)

- 4.3. **Emission Factors** The permittee must use the default emission factors provided in condition 0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department. The permittee may request or the Department may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by the Department.

- 4.4. **Mass Balance with controls** Annual VOC emissions for each 12 consecutive calendar month period are calculated by the following formula:

$$\text{Total VOC} = [1.37(\text{lb/operating hours}) + 2.8 (\text{lb/MMCF of natural gas}) + 0.2 (\text{lb/1000 gals distillate})] \div 1\text{ton}/2000 \text{ lbs}$$

## 5.0 RECORDKEEPING REQUIREMENTS

- 5.1. **Operation and Maintenance** The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices:

- a. All operating and production parameters to be reported to the Department annually as required in Condition 6.0.
  - b. Maintenance service record performed on the boiler.
- 5.2. **Excess Emissions** The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity for 3 minutes or more in any 60-minute period.
- 5.3. **Complaint Log** The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.
- 5.4. **Retention of Records** Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

## **6.0 REPORTING REQUIREMENTS**

- 6.1. **Excess Emissions** The permittee must notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health.
  - a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 7.3.
  - b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.
  - c. The permittee must also submit follow-up reports when required by the Department.
- 6.2. **Annual Report** For each year this permit is in effect, the permittee must submit to the Department by **February 15** two (2) copies of the following information for the previous calendar year:
  - a. Operating parameters:

- i. Annual throughput of coal tar pitch
  - ii. Annual throughput of heavy oil
  - iii. Total boiler operating time (hours/year)
  - iv. Total hot oil heater operating time (hours/year)
  - v. Highest sulfur content oil burned (obtained from supplier)
  - vi. Types and quantities of fuels burned (gallons or MMCF)
  - vii. Average plant operating schedule (hours/day, days/week, weeks/year)
  - b. Computations of total VOC and HAPs emissions for any 12 consecutive months period.
  - c. Records of all planned and unplanned excess emissions events.
  - d. Summary of complaints relating to air quality received by permittee during the year.
  - e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.
  - f. List major maintenance performed on pollution control equipment.
- 6.3. Notice of Change of Ownership or Company Name** The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:
- a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
  - b. Sale or exchange of the activity or facility.
- 6.4. Construction or Modification Notices** The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:
- a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;

- b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or
  - c. Constructing or modifying any air pollution control equipment.
- 6.5. **Where to Send Reports and Notices** The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 7.3.

## **7.0 ADMINISTRATIVE REQUIREMENTS**

- 7.1. **Permit Renewal Application** The completed application package for renewal of this permit is due on July 1, 2007. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 7.3
- 7.2. **Permit Modifications** Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.
- 7.3. **Permit Coordinator Address** All reports, notices, and applications should be directed to the Permit Coordinator for the area where the source is located. The Permit Coordinator addresses are as follows:  
Department of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, Suite 400  
Portland, OR 97201-4987  
Telephone: (503) 229-5582
- 7.4. **Department Contacts** Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at [www.deq.state.or.us](http://www.deq.state.or.us). All inquiries about this permit should be directed to the regional office for the area where the source is located. The Department's regional offices are as follows:  
Department of Environmental Quality  
Portland Office  
2020 SW 4th Avenue, Suite 400  
Portland, OR 97201-4987  
Telephone: (503) 229-5554

## **8.0 FEES**

- |   |   |
|---|---|
| 8.1. <b>Annual Compliance Fee</b>                   | The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a Simple ACDP is due on <b>December 1</b> of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date. |
| 8.2. <b>Change of Ownership or Company Name Fee</b> | The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.   |
| 8.3. <b>Special Activity Fees</b>                   | The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.  |
| 8.4. <b>Where to Submit Fees</b>                    | Fees must be submitted to:<br><div style="margin-left: 40px;">Department of Environmental Quality<br/>Business Office<br/>811 SW Sixth Avenue<br/>Portland, Oregon 97204-1390</div>   |

## **9.0 GENERAL CONDITIONS AND DISCLAIMERS**

- |                                    |   |
|------------------------------------|---|
| 9.1. <b>Permitted Activities</b>   | This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.  |
| 9.2. <b>Other Regulations</b>      | In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.  |
| 9.3. <b>Conflicting Conditions</b> | In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.  |
| 9.4. <b>Masking of Emissions</b>   | The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement. |
| 9.5. <b>Department</b>             | The permittee must allow the Department's representatives access  |

- Access** to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
- 9.6. **Permit Availability** The permittee must have a copy of the permit available at the facility at all times.
- 9.7. **Open Burning** The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
- 9.8. **Asbestos** The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
- 9.9. **Property Rights** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
- 9.10. **Termination, Revocation, or Modification** The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

## 10.0 EMISSION FACTORS

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF reference
Fuel Combustion:				
a) Oil, Distillate	SO <sub>2</sub>	71	lb/1,000 gal	DEQ Emission Factor
	NO <sub>x</sub>	20	lb/1,000 gal	DEQ Emission Factor



	CO	5	lb/1,000 gal	DEQ Emission Factor
	VOC	0.2	Lb/1,000 gal	DEQ Emission Factor
b) Natural gas	SO <sub>2</sub>	2.6	lb/MMCF	DEQ Emission Factor
	NO <sub>x</sub>	140	lb/MMCF	DEQ Emission Factor
	CO	35	lb/MMCF	DEQ Emission Factor
	VOC	2.8	lb/MMCF	DEQ Emission Factor
Fume Recovery System	VOC	1.37	lb/hr	Emission calculated using ChemCAD

## 11.0 PROCESS/PRODUCTION RECORDS

Emissions device or activity	Process or production parameter	Frequency
Operating hours	Hours/yr	Once a month
Fuel usage: a) oil	Gallons/hour	Once a month
b) natural gas	MM cubic feet/hour	Once a month
VOC emissions	Gallons/hour	Once a month

## 12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit	CFR	Code of Federal Regulations
ASTM	American Society for Testing and Materials	CO	carbon monoxide
AQMA	Air Quality Maintenance Area	DEQ	Oregon Department of Environmental Quality
calendar year	The 12-month period beginning January 1st and ending December 31st	dscf	dry standard cubic foot
		EPA	US Environmental Protection Agency
		FCAA	Federal Clean Air Act

gal	gallon(s)	PM <sub>10</sub>	particulate matter less than 10 microns in size
gr/dscf	grains per dry standard cubic foot	ppm	part per million
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	PSD	Prevention of Significant Deterioration
I&M	inspection and maintenance	PSEL	Plant Site Emission Limit
lb	pound(s)	PTE	Potential to Emit
MMBtu	million British thermal units	RACT	Reasonably Available Control Technology
NA	not applicable	scf	standard cubic foot
NESHAP	National Emissions Standards for Hazardous Air Pollutants	SER	Significant Emission Rate
NO <sub>x</sub>	nitrogen oxides	SIC	Standard Industrial Code
NSPS	New Source Performance Standard	SIP	State Implementation Plan
NSR	New Source Review	SO <sub>2</sub>	sulfur dioxide
O <sub>2</sub>	oxygen	Special Control Area	as defined in OAR 340-204-0070
OAR	Oregon Administrative Rules	VE	visible emissions
ORS	Oregon Revised Statutes	VOC	volatile organic compound
O&M	operation and maintenance	year	A period consisting of any 12-consecutive calendar months
Pb	lead		
PCD	pollution control device		
PM	particulate matter		

Department of Environmental Quality  
 Northwest Region  
 Air Quality Program

# **Simple** **AIR CONTAMINANT DISCHARGE PERMIT** **REVIEW REPORT**

Koppers Industries, Inc.  
 7540 N.W. Saint Helens Road  
 Portland, OR 97210-3663  
 (503) 286-3681

Source Test	Compl Sched	Report				Excess		NSR	PSD	RACT	NSPS	NESHAP	Size	Public Notice
		A	S	Q	M	R	N							
		X					X						SI	II

## **TABLE OF CONTENTS**

PERMITTING .....	2
SOURCE DESCRIPTION .....	2
COMPLIANCE .....	3
EMISSIONS .....	4
MAJOR SOURCE APPLICABILITY .....	5
ADDITIONAL REQUIREMENTS .....	6
PUBLIC NOTICE .....	7

## **PERMITTING**

### PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on June 1, 1999 and was originally scheduled to expire on September 1, 2002. The old ACDP is being converted to a Simple ACDP in accordance with the rules adopted in May 2001.

### OTHER PERMITS

2. The Department has issued a water quality permit to this facility, NPDES 100419. The plant site includes 25 tanks for the collection and storage of storm water.
3. A Land Use Compatibility Statement signed by the City of Portland on September 15, 1997 granted unconditional approval.

### ATTAINMENT STATUS

4. The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants.
5. The facility is an insignificant source of CO, NO<sub>x</sub>, and VOC. The area is an attainment for all other pollutants.

## **SOURCE DESCRIPTION**

### OVERVIEW

6. Koppers Industries, Inc., operates a coal tar pitch processing facility at 7540 NW Saint Helens Road, Portland. The facility receives, stores, and transfers coal tar pitch primarily used in the primary aluminum production industry. The major emissions sources at this facility consist of combustion sources used to heat the coal tar pitch, and fumes from the storage transfer and processing of the pitch. The fumes are collected and routed to a fume control system.
7. Notice of Construction (NC. No. 018175) approved on Oct. 10, 2000, allows the permittee's request to upgrade the fume control system that includes the replacement of the existing fume control system with a new thermal oxidizer. The Department also approved the facility's request to delay installation of the thermal oxidizer because of the following reasons:
  - a. The current and foreseeable drastic decline in Koppers' business due to shut down

- of the aluminum customers operations.
  - b. The reduction in emissions from permitted quantities from the operating schedule changes, as a result of the reduction in throughput.
  - c. A recent modification to the operation of the fume recovery system reduces emissions further.
8. No changes have been made to the facility since the last permit renewal.
9. Current rules do not require short term plant site emission. This requirement has been deleted.

### PROCESS AND CONTROL DEVICES

10. Existing air contaminant sources at the facility consist of the following:

Equipment	Manufacturer	Capacity/Rate	Installed/Modified
Boiler, fired on natural gas or distillate oil	N. American	21 MM BTU/hr input	1965
Hot oil heater, fired on natural gas or oil	N. American	8 MM BTU/hr input	1990
Hotoil heater, fired on natural gas or oil	N. American	10 MM BTU/hr input	1999
Pitch /oil transfer system	N/A	150,000 ton/year	1965 modified in 1999
Fumer recovery system with scrubber	N/A	150,000 ton/year	1987
Storage tank (T-200) and a fume combustion system (ref. NC #018175)	N/A	2,100,000 gals	1999
Storage Tank 33 and 67	N/A	45,000 & 102,000 gals	1942 & 1947
Storage Tank 66 and 101	N/A	191,000 & 759,000 gals	1947 & 1952
Storage Tank 65 and 68	N/A	761,000 & 248,000 gals	1947 & 1927

### **COMPLIANCE**

11. The facility was inspected on 08/05/2002 and found to be in compliance with permit conditions.
12. During the prior permit period there were no complaints recorded for this facility.
13. No enforcement actions have been taken against this source since the last permit renewal.

## EMISSIONS

### 14. Proposed PSEL information:

Pollutant	*Baseline Emission Rate (tons/yr)	Plant Site Emission Limit (tons/yr)			Increase Over Baseline (tons/yr)	SER
		Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	Increase Over Existing Permit (tons/yr)		
SO <sub>2</sub>	0	22	39	17	39	40
NO <sub>x</sub>	0	28	39	11	39	40
CO	0	7	99	92	99	100
VOC	0	20	39	19	39	40

\*Netting basis is the same as baseline for this source.

- a. The proposed PSEL for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
  - b. Emissions of PM and PM<sub>10</sub> are less than one ton per year. PM and PM<sub>10</sub> are considered negligible. PM and PM<sub>10</sub> are not included in the Plant Site Emission Limit as shown above.
  - c. The facility was in operation during the baseline years. Baseline year information has not been provided, however, so baseline emission rates have not been established.
  - d. Baseline emissions rate for this facility is zero and are now frozen per OAR 340-200-0020(71)(a). The netting basis is also set at zero for this source.
  - e. The PSEL is a federally enforceable limit on the potential to emit.
15. The normal operating schedule for the equipment is 24 hrs/day x 4 days/wk x 52 wks/yr less 11 holidays = 5976 hrs/yr.
  16. Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet of natural gas. Maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.
  17. Throughput of pitch pencil is expected to be 100,000 tons per year and a maximum of 562 tons per hour.

### SIGNIFICANT EMISSION RATE ANALYSIS

18. The proposed Plant Site Emissions Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

## MAJOR SOURCE APPLICABILITY

### CRITERIA POLLUTANTS

19. A major source is a facility that has the potential to emit more than 100 tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions.

Plant Wide Potential to Emit:

POLLUTANT	SO <sub>2</sub> (tons/yr)	NO <sub>x</sub> (tons/yr)	CO (tons/yr)	VOC (tons/yr)
Boiler	11.31	12.52	3.13	0.25
Hot Oil Heater*	4.60	3.97	.88	0.19
Fume Recovery System				18.11
Tank 33				0.016
Tank 67				0.006
Fugitives				0.568
New Hot Oil Heater	5.34	5.96	1.49	0.12
T-200, T-65, & T-68**				**See Note
T-66 and T-101***				***See Note
TOTAL (tons/yr)	21.25	22.45	5.50	19.26

Notes:

\*Via a prior notification to the Department that this is not a back up unit.

\*\* VOC Emissions from T-200, T-65, and T-68 are included in the fume recovery system emissions.

\*\*\*T-66 and T-101 contained solid coal tar residue. The VOC emission is insignificant.

### HAZARDOUS AIR POLLUTANTS

20. A major source is a facility that has the potential to emit more than 10 tons/year of any single HAP or 25 tons/year of combined HAPs. This source is not a major source of hazardous air pollutants.

Hazardous Air Pollutant	Potential to Emit (tons/year)
-------------------------	-------------------------------

Naphthalene	2
Quinoline	0.13
Biphenyl	0.16
Dibenzofuran	1
Total	3

21. The source PTE has less than 80% of the threshold values for Title V for criteria pollutant, and less than 80% of the threshold values for Title III for single HAPs and combined HAPs, therefore, full compliance evaluation (FCE) is not required.

## **ADDITIONAL REQUIREMENTS**

### NSPS APPLICABILITY

22. There are no sources at this facility for which NSPS standards have been promulgated.

### NSR/PSD APPLICABILITY

23. This source is not subject to federal regulations for New Source Review (NSR) or further air quality analysis.
24. This source is not subject to federal regulations for Prevention of Significant Deterioration (PSD).

### NESHAPS/MACT APPLICABILITY

25. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.

### RACT APPLICABILITY

26. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the RACT rules do not apply.

### TACT APPLICABILITY

27. The source is meeting the states TACT/Highest and Best Rules by conducting the following activities:
- A change in the wash fluid used in the fume recovery unit from heavy oil to



- water.
- b. The plant is now operating 5 days per week and dependent on business conditions this could change again, at some time in the future.
  - c. The fume recovery unit only operates during hours needed thus reduces emission further.
  - d. The installation of the thermal oxidizer once the business level reaches 75% of the original projected level based on the through put or until monthly through put reaches 5000 tons per month for three consecutive months.

## PUBLIC NOTICE

28. Pursuant to OAR 340-216-0064(5)(a), renewals of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b). The proposed permit was placed on public notice from October 17, 2002 to November 18, 2002.

POLLUTANT	PREVIOUS PSEL (tons/yr)	PROPOSED PSEL (tons/yr)	ESTIMATED ACTUAL EMISSIONS (tons/yr)
SO <sub>2</sub>	22	39	0.02
NO <sub>x</sub>	28	39	1
CO	7	99	0.51
VOC	20	39	1.13

APR 26 2006

**DEQ INSPECTION REPORT**  
**Northwest Region – Air Quality Section**

<b>Facility Name and Address:</b>  Koppers Industries Inc. Attn: Amos S. Kamerer 7540 NW Saint Helens Road Portland Oregon 97210	<b>Permit Number:</b> 26-2930
	<b>County:</b> Multnomah

<b>Inspection Date/Time:</b> 2-28-2006 11:00	<b>Reason for Inspection:</b> <i>(check one)</i>	Regularly scheduled inspection	X
		Complaint follow-up	
		Other (specify)	

<b>Permit Type:</b> <i>(check one)</i>	ACDP	X	<b>Inspection Type:</b> <i>(check two)</i>	FCE/PCE (specify)	
	Title V			State Inspection	X
				Announced	X
				Unannounced	

<b>Inspector(s):</b> <i>(Name, Title and Agency)</i>	Tina Leppaluoto, Natural Resource Specialist DEQ-NWR/AQ,
<b>Air Quality Manager</b>	Ed Druback, Northwest Region (503) 229-5151

<b>Facility Representative(s):</b> <i>(Name, Title and Phone #)</i>	T.J. Turner, General Foreman, 503-286-3681 Amos S. Kamerer, Plant Manager, 503-286-3681
--	--

Overview of Facility

The permittee operates a coal tar pitch processing facility at 7540 NW Saint Helens Road in Portland. The facility receives; stores and transfers coal tar pitch primarily used in the primary aluminum production industry. The major emissions sources at this facility consist of combustion sources used to heat the coal tar pitch, and fumes from the storage transfer and processing of the pitch. The fumes are collected and routed to a fume control system.

NC approved on October 10, 2000, allows the permittee's request to upgrade the fume control system that includes the replacement of the existing fume control system with a new thermal oxidizer. The Department also approved the facility's request to delay installation of the thermal oxidizer because of the following reasons:

- A forecasted drastic decline in Koppers business due to shut down of it's aluminum customer's operations.
- A reduction in plant emissions as a result of reduction in process throughput.

Fax: 4/22/06  
 T. Sel P, K-1800  
 3 pages

- A recent modification to the operation of the fume recovery system reduces emissions further.

#### Process and Control Devices

- Existing air contaminant sources at the facility consist of the following:

Boiler, fired on natural gas or distillate oil, 21 MM BTU/hr input, 1965  
 Hot oil heater, fired on natural gas or oil, 8 MM BTU/hr input, 1990  
 Hot oil heater, fired on natural gas or oil, 10 MM BTU/hr input, 1999  
 Pitch/oil transfer system, 150,000 tons/year, 1965/modified in 1999  
 Fume recovery system 150,000 tons/year, 1987  
 Storage tank (T-200) and a fume combustion system, 2,100,000 gals, 1999  
 Storage tank 33 and 67, 45,000 & 102,000 gals, 1942 & 1947  
 Storage tank 66 and 101, 191,000 & 759,000 gal, 1947 & 1952  
 Storage tank 65 and 68, 761,000 & 248,000 gal, 1947 & 1927

#### Pre-inspection File Review

Review of the permit file showed the facility was inspected on 8/5/2002 and found to be in compliance with the permit conditions. The normal operating schedule for the equipment is 24 hrs/day x 4 days/wk x 52 wks/yr = 5976 hrs/yr.

Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet of natural gas. The maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.

Throughput of pitch pencil is expected to be 100,000 tons per year and a maximum of 562 tons per hour.

#### Walk-through of Facility

The facility's production process starts up at 12:00 am and runs through 12:00 pm. The trucks are loaded between 5:00 am and 7:00 am; it takes approximately 2 hours to load a truck. Ships are loaded about 3 times a year. The permittee put in the liquid system in 2001, the level of operation during the inspection was a normal operational day. The oxidizer was not installed as planned due to low production. The facility operates with 3 full time employees and 1 part time employee. Opacity readings are done regularly and kept on-site. The person who does the readings is certified.

The transfer system used to load trucks and ships is an enclosed system which does not allow product to be released into the atmosphere. The fume system is equipped with a mister that helps reduce the vapors that are released from the process of heating up the product prior to loading trucks. The fume system contains brushes that are inspected and maintained every 6 months. The tank has a heater plate that is located underneath the tank which heats up the product to a temperature above 70 degrees for transferring the product to trucks. The facility also has a boiler. The boiler is taken down and completely torn apart and inspected inside and out for corrosion and leaks on a yearly

- A recent modification to the operation of the fume recovery system reduces emissions further.

#### Process and Control Devices

- Existing air contaminant sources at the facility consist of the following:

Boiler, fired on natural gas or distillate oil, 21 MM BTU/hr input, 1965  
 Hot oil heater, fired on natural gas or oil, 8 MM BTU/hr input, 1990  
 Hot oil heater, fired on natural gas or oil, 10 MM BTU/hr input, 1999  
 Pitch/oil transfer system, 150,000 tons/year, 1965/modified in 1999  
 Fume recovery system 150,000 tons/year, 1987  
 Storage tank (T-200) and a fume combustion system, 2,100,000 gals, 1999  
 Storage tank 33 and 67, 45,000 & 102,000 gals, 1942 & 1947  
 Storage tank 66 and 101, 191,000 & 759,000 gal, 1947 & 1952  
 Storage tank 65 and 68, 761,000 & 248,000 gal, 1947 & 1927

#### Pre-inspection File Review

Review of the permit file showed the facility was inspected on 8/5/2002 and found to be in compliance with the permit conditions. The normal operating schedule for the equipment is 24 hrs/day x 4 days/wk x 52 wks/yr = 5976 hrs/yr.

Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet of natural gas. The maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.

Throughput of pitch pencil is expected to be 100,000 tons per year and a maximum of 562 tons per hour.

#### Walk-through of Facility

The facility's production process starts up at 12:00 am and runs through 12:00 pm. The trucks are loaded between 5:00 am and 7:00 am; it takes approximately 2 hours to load a truck. Ships are loaded about 3 times a year. The permittee put in the liquid system in 2001, the level of operation during the inspection was a normal operational day. The oxidizer was not installed as planned due to low production. The facility operates with 3 full time employees and 1 part time employee. Opacity readings are done regularly and kept on-site. The person who does the readings is certified.

The transfer system used to load trucks and ships is an enclosed system which does not allow product to be released into the atmosphere. The fume system is equipped with a mister that helps reduce the vapors that are released from the process of heating up the product prior to loading trucks. The fume system contains brushes that are inspected and maintained every 6 months. The tank has a heater plate that is located underneath the tank which heats up the product to a temperature above 70 degrees for transferring the product to trucks. The facility also has a boiler. The boiler is taken down and completely torn apart and inspected inside and out for corrosion and leaks on a yearly

basis. All equipment is maintained, logs are kept daily on-site for what was found during the inspection and repairs noted. The facility has a back up generator which contains diesel in a trailer, the permittee has the product pumped out by the 15<sup>th</sup> of March each year and refilled prior to the winter months. The back up generator is used if the facility loses power. The backup generator was not used this past winter.

The facility was noted to be very clean during the time of the inspection and no odors were observed during the visit.

The current permit was on-site and is reviewed by the staff on a regular basis. No complaints have been received by the facility for the permit period.

No future changes are anticipated at this time.

#### Compliance Status of Facility

Check one of the following:

<input checked="" type="checkbox"/>	Facility is in compliance with the permit conditions described above.
<input type="checkbox"/>	Facility is not in compliance with one or more of the permit conditions described above (provide additional detail below).

cc: T.J. Turner  
7540 NW Saint Helens Road  
Portland Oregon 97201

EPA Region X  
This report has been ICED.

DEQinspectionreport  
tl, 4/06

APR 26 2006

**DEQ INSPECTION REPORT**  
**Northwest Region – Air Quality Section**

<b>Facility Name and Address:</b>  Koppers Industries Inc. Attn: Amos S. Kameron 7540 NW Saint Helens Road Portland Oregon 97210	<b>Permit Number:</b> 26-2930
	<b>County:</b> Multnomah

<b>Inspection Date/Time:</b> 2-28-2006 11:00	<b>Reason for Inspection:</b> <i>(check one)</i>	Regularly scheduled inspection	X
		Complaint follow-up	
		Other (specify)	

<b>Permit Type:</b> <i>(check one)</i>	ACDP	X	<b>Inspection Type:</b> <i>(check two)</i>	FCE/PCE (specify)	
	Title V			State Inspection	X
				Announced	X
				Unannounced	

<b>Inspector(s):</b> <i>(Name, Title and Agency)</i>	Tina Leppaluoto, Natural Resource Specialist DEQ-NWR/AQ,
<b>Air Quality Manager</b>	Ed Druback, Northwest Region (503) 229-5151

<b>Facility Representative(s):</b> <i>(Name, Title and Phone #)</i>	T.J. Turner, General Foreman, 503-286-3681 Amos S. Kameron, Plant Manager, 503-286-3681
--	--

Overview of Facility

The permittee operates a coal tar pitch processing facility at 7540 NW Saint Helens Road in Portland. The facility receives; stores and transfers coal tar pitch primarily used in the primary aluminum production industry. The major emissions sources at this facility consist of combustion sources used to heat the coal tar pitch, and fumes from the storage transfer and processing of the pitch. The fumes are collected and routed to a fume control system.

NC approved on October 10, 2000, allows the permittee's request to upgrade the fume control system that includes the replacement of the existing fume control system with a new thermal oxidizer. The Department also approved the facility's request to delay installation of the thermal oxidizer because of the following reasons:

- A forecasted drastic decline in Koppers business due to shut down of it's aluminum customer's operations.
- A reduction in plant emissions as a result of reduction in process throughput.

- A recent modification to the operation of the fume recovery system reduces emissions further.

#### Process and Control Devices

- Existing air contaminant sources at the facility consist of the following:

Boiler, fired on natural gas or distillate oil, 21 MM BTU/hr input, 1965  
 Hot oil heater, fired on natural gas or oil, 8 MM BTU/hr input, 1990  
 Hot oil heater, fired on natural gas or oil, 10 MM BTU/hr input, 1999  
 Pitch/oil transfer system, 150,000 tons/year, 1965/modified in 1999  
 Fume recovery system 150,000 tons/year, 1987  
 Storage tank (T-200) and a fume combustion system, 2,100,000 gals, 1999  
 Storage tank 33 and 67, 45,000 & 102,000 gals, 1942 & 1947  
 Storage tank 66 and 101, 191,000 & 759,000 gal, 1947 & 1952  
 Storage tank 65 and 68, 761,000 & 248,000 gal, 1947 & 1927

#### Pre-inspection File Review

Review of the permit file showed the facility was inspected on 8/5/2002 and found to be in compliance with the permit conditions. The normal operating schedule for the equipment is 24 hrs/day x 4 days/wk x 52 wks/yr = 5976 hrs/yr.

Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet of natural gas. The maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.

Throughput of pitch pencil is expected to be 100,000 tons per year and a maximum of 562 tons per hour.

#### Walk-through of Facility

The facility's production process starts up at 12:00 am and runs through 12:00 pm. The trucks are loaded between 5:00 am and 7:00 am; it and takes approximately 2 hours to load a truck. Ships are loaded about 3 times a year. The permittee put in the liquid system in 2001, the level of operation during the inspection was a normal operational day. The oxidizer was not installed as planned due to low production. The facility operates with 3 full time employees and 1 part time employee. Opacity readings are done regularly and kept on-site. The person who does the readings is certified.

The transfer system used to load trucks and ships is an enclosed system which does not allow product to be released into the atmosphere. The fume system is equipped with a mister that helps reduce the vapors that are released from the process of heating up the product prior to loading trucks. The fume system contains brushes that are inspected and maintained every 6 months. The tank has a heater plate that is located underneath the tank which heats up the product to a temperature above 70 degrees for transferring the product to trucks. The facility also has a boiler. The boiler is taken down and completely torn apart and inspected inside and out for corrosion and leaks on a yearly

basis. All equipment is maintained, logs are kept daily on-site for what was found during the inspection and repairs noted. The facility has a back up generator which contains diesel in a trailer, the permittee has the product pumped out by the 15<sup>th</sup> of March each year and refilled prior to the winter months. The back up generator is used if the facility loses power. The backup generator was not used this past winter.

The facility was noted to be very clean during the time of the inspection and no odors were observed during the visit.

The current permit was on-site and is reviewed by the staff on a regular basis. No complaints have been received by the facility for the permit period.

No future changes are anticipated at this time.

#### Compliance Status of Facility

Check one of the following:

<input checked="" type="checkbox"/>	Facility is in compliance with the permit conditions described above.
<input type="checkbox"/>	Facility is not in compliance with one or more of the permit conditions described above (provide additional detail below).

cc: T.J. Turner  
7540 NW Saint Helens Road  
Portland Oregon 97201

EPA Region X  
This report has been ICED.  
DEQinspectionreport  
tl, 4/06



# Public Notice: Request for Comments

## Proposed Renewal of Koppers Industries, Inc. Air Contaminant Discharge Permit



State of Oregon  
Department of  
Environmental  
Quality

Northwest Region  
Air Quality Section  
2020 SW 4<sup>th</sup> Ave.  
Portland, OR 97201  
(503) 229-5554  
1-800-452-4011  
Fax: (503) 229-5265

[www.deq.state.or.us](http://www.deq.state.or.us)

Notice issued: October 17, 2002

Fax: (503) 229-5265

Written comments regarding this  
proposed action may be submitted  
until due: 5 p.m., November 18, 2002

Permit Number: 26-2930

**Permittee Address:**

Koppers Industries, Inc.  
436 Seventh Avenue, Suite 1800  
Pittsburgh, PA 15219-1800

**Where is the facility located?**

7540 NW Saint Helens Road  
Portland, Oregon 97210-3663

**Where can I get more information  
and send comments?**

The full context of the application,  
which may include voluminous printed  
material not readily duplicable, is  
available for public inspection Tuesday  
through Thursday by appointment at  
DEQ's Northwest Region Office.  
2020 SW 4<sup>th</sup> Avenue, Suite 400  
Portland, Oregon 97201  
For a review appointment call (503)  
229-5554

Upon request, a copy of the permit and  
review report is available.

**View the Proposed Permit and  
Review Report at:**

Multnomah County Library  
Central Branch  
801 S.W. 10<sup>th</sup> Avenue  
Portland, Oregon 97205

DEQ accepts comments by mail, fax  
and E-mail.

**E-Mail Address:**

[blaine.catherine@deq.state.or.us](mailto:blaine.catherine@deq.state.or.us)  
(If there is a delay between servers and  
e-mails and the e-mails are not received  
before the deadline, they cannot be  
accepted)

**Mailing Address:**

AQ/NWR, Catherine Blaine, Permit  
Coordinator  
Department of Environmental Quality  
2020 SW 4<sup>th</sup> Ave., Suite 400  
Portland, OR 97201-4987

**Permit Writer: Rose Lim**

Phone: (503) 229-6191

Toll free in Oregon (800) 452-4011

**What is proposed?**

This permit action is a renewal of an  
existing Air Contaminant Discharge  
Permit (ACDP). The old ACDP is  
being converted to a Simple ACDP in  
accordance with the rules adopted in  
May 2001. Koppers Industries, Inc.  
operates a coal tar processing facility at  
7540 NW Saint Helens Road, Portland.  
The facility receives stores and transfers  
coal tar pitch primarily used in the  
aluminum production industry. The  
major emissions sources at this facility  
consist of combustion sources used to  
heat the coal tar pitch, and fumes from  
the storage transfer and processing of  
the pitch. The fumes are collected and  
routed to a fume control system.

**Plant Site Emissions: Proposed PSEL  
information:**

Pollutant	Previous PSEL (tons/yr)	Proposed PSEL (ton/yr)	Generic PSEL Levels
SO <sub>2</sub>	22	39	39
NO <sub>x</sub>	28	39	39
CO	7	99	99
VOC	20.4	39	39

**Proposed Plant Site Emission Limits:**

The PSELs for PM, CO, and VOC are higher than the PSELs in the previous permit. This is due solely to the implementation of new Department rules that do not support PSELs less than the "generic PSEL" levels. The generic PSEL levels are equal the Significant Emission Rate minus 1 ton per 12 month period, for each pollutant.

**Compliance:** The facility was inspected on 08/05/2002 and was found to be in compliance with permit conditions. During the permit period there were no complaints recorded for this facility. No enforcement actions have been taken against this source since the last permit renewal.

**What other DEQ permits are required?**

The Department has issued a water quality permit to this facility, NPDES 100419. The site includes 25 tanks for the collection and storage of storm water.

**Hazardous Air Pollutants:** This facility is not currently subject to any specific Federal National Emissions Standard for Hazardous Air Pollutants.

**Attainment Status:**

The permittee is located in a maintenance area for ozone and carbon monoxide. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants. The facility is an insignificant source of CO, NO<sub>x</sub> and VOC. The area is in attainment for all other pollutants.

**Accessibility information:** DEQ is committed to accommodating people with disabilities at our hearings. Please notify DEQ of any special physical or language accommodations or if you need information in large print, Braille or another format. To make these arrangements, contact DEQ Public Affairs at (503) 229-5696 or toll free in Oregon at (800) 452-4011. People with hearing impairments may call DEQ's TTY number, (503) 229-5471.

**What are DEQ's responsibilities?**

The DEQ is the regulatory agency that helps protect and preserve Oregon's environment. DEQ is responsible for protecting and enhancing Oregon's water and air quality, for cleaning up spills and releases of hazardous materials, and for managing the proper disposal of hazardous and solid wastes. One way DEQ does this is by requiring permits for certain activities. The purpose of this notice is to invite you to submit written comments on this proposed permit.

**Who is affected?**

Property owners and residents in the vicinity of the facility.

**What happens next?**

DEQ will review and consider all comments received during the comment period. Following this review, DEQ may modify and issue the permit.

**GLOSSARY**

**CO (Carbon Monoxide)** -- An invisible gas, usually formed as a product of combustion. CO is considered a pollutant because it has adverse health effects.

**NO<sub>x</sub> (Nitrogen Oxides)** -- A brown-colored, toxic gas, usually formed during high temperature combustion processes. NO<sub>x</sub> is considered a pollutant because it contributes to the formation of ozone and acid rain.

**VOC (Volatile Organic Compounds)** - Organic chemicals containing carbon which, when vaporized, combine with NO<sub>x</sub>, in the presence of sunlight to form ozone.

**SO<sub>2</sub>- (Sulfur Dioxide)** An invisible gas with a pungent odor, formed by burning fossil fuel which contains sulfur. SO<sub>2</sub> is considered a pollutant because it can form particles that decrease visibility, and because large amounts of it can cause acid rain.

Department of Environmental Quality  
 Northwest Region  
 Air Quality Program

# **Simple** **AIR CONTAMINANT DISCHARGE PERMIT** **REVIEW REPORT**

Koppers Industries, Inc.  
 7540 N.W. Saint Helens Road  
 Portland, OR 97210-3663  
 (503) 286-368`

Source Test	Compl Sched	Report				Excess		NSR	PSD	RACT	NSPS	NESHAP	Size	Public Notice
		A	S	Q	M	R	N							
		X					X						SI	II

## **TABLE OF CONTENTS**

PERMITTING .....	2
SOURCE DESCRIPTION .....	2
COMPLIANCE .....	3
EMISSIONS .....	4
MAJOR SOURCE APPLICABILITY .....	5
ADDITIONAL REQUIREMENTS .....	6
PUBLIC NOTICE .....	7

## **PERMITTING**

### PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on June 1, 1999 and was originally scheduled to expire on September 1, 2002. The old ACDP is being converted to a Simple ACDP in accordance with the rules adopted in May 2001.

### OTHER PERMITS

2. The Department has issued a water quality permit to this facility, NPDES 100419. The plant site includes 25 tanks for the collection and storage of storm water.
3. A Land Use Compatibility Statement signed by the City of Portland on September 15, 1997 granted unconditional approval.

### ATTAINMENT STATUS

4. The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants.
5. The facility is an insignificant source of CO, NO<sub>x</sub>, and VOC. The area is an attainment for all other pollutants.

## **SOURCE DESCRIPTION**

### OVERVIEW

6. Koppers Industries, Inc., operates a coal tar pitch processing facility at 7540 NW Saint Helens Road, Portland. The facility receives, stores, and transfers coal tar pitch primarily used in the primary aluminum production industry. The major emissions sources at this facility consist of combustion sources used to heat the coal tar pitch, and fumes from the storage transfer and processing of the pitch. The fumes are collected and routed to a fume control system.
7. Notice of Construction (NC. No. 018175) approved on Oct. 10, 2000, allows the permittee's request to upgrade the fume control system that includes the replacement of the existing fume control system with a new thermal oxidizer. The Department also approved the facility's request to delay installation of the thermal oxidizer because of the following reasons:
  - a. The current and foreseeable drastic decline in Koppers' business due to shut down

- of the aluminum customers operations.
- b. The reduction in emissions from permitted quantities from the operating schedule changes, as a result of the reduction in throughput.
  - c. A recent modification to the operation of the fume recovery system reduces emissions further.
8. No changes have been made to the facility since the last permit renewal.
9. Current rules do not require short term plant site emission. This requirement has been deleted.
10. Baseline was reviewed and frozen according to OAR 340-200-0020(71)(a).

#### PROCESS AND CONTROL DEVICES

11. Existing air contaminant sources at the facility consist of the following:

Equipment	Manufacturer	Capacity/Rate	Installed/Modified
Boiler, fired on natural gas or distillate oil	N. American	21 MM BTU/hr input	1965
Hot oil heater, fired on natural gas or oil	N. American	8 MM BTU/hr input	1990
Hotoil heater, fired on natural gas or oil	N. American	10 MM BTU/hr input	1999
Pitch /oil transfer system	N/A	150,000 ton/year	1965 modified in 1999
Fumer recovery system with scrubber	N/A	150,000 ton/year	1987
Storage tank (T-200) and a fume combustion system (ref. NC #018175)	N/A	2,100,000 gals	1999
Storage Tank 33 and 67	N/A	45,000 & 102,000 gals	1942 & 1947
Storage Tank 66 and 101	N/A	191,000 & 759,000 gals	1947 & 1952
Storage Tank 65 and 68	N/A	761,000 & 248,000 gals	1947 & 1927

#### **COMPLIANCE**

12. The facility was inspected on 08/05/2002 and found to be in compliance with permit conditions.
13. During the prior permit period there were no complaints recorded for this facility.
14. No enforcement actions have been taken against this source since the last permit renewal.

## EMISSIONS

### 15. Proposed PSEL information:

Pollutant	*Baseline Emission Rate (tons/yr)	Plant Site Emission Limit (tons/yr)			Increase Over Baseline (tons/yr)	SER
		Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	Increase Over Existing Permit (tons/yr)		
SO <sub>2</sub>	0	22	39	17	39	40
NO <sub>x</sub>	0	28	39	11	39	40
CO	0	7	99	92	99	100
VOC	0	20	39	19	39	40

\*Netting basis is the same as baseline for this source.

- a. The proposed PSELs for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
  - b. Emissions of PM and PM<sub>10</sub> are less than one ton per year. For the original permit, PM and PM<sub>10</sub> are considered negligible. PM and PM<sub>10</sub> are not included in the Plant Site Emission Limit as shown above.
  - c. The facility was in operation during the baseline years. Baseline year information has not been provided, however, so baseline emission rates have not been established.
  - d. Baseline emissions rate for this facility is zero and are now frozen per OAR 340-200-0020(71)(a).
  - e. The PSEL is a federally enforceable limit on the potential to emit.
16. The normal operating schedule for the equipment is 24 hrs/day x 4 days/wk x 52 wks/yr less 11 holidays = 5976 hrs/yr.
  17. Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet of natural gas. Maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.
  18. Throughput of pitch pencil is expected to be 100,000 tons per year and a maximum of 562 tons per hour.

### SIGNIFICANT EMISSION RATE ANALYSIS

19. The proposed Plant Site Emissions Limit is less than the Netting Basis plus the

significant emission rate, thus no further air quality analysis is required.

## MAJOR SOURCE APPLICABILITY

### CRITERIA POLLUTANTS

20. A major source is a facility that has the potential to emit more than 100 tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions.

Plant Wide Potential to Emit:

POLLUTANT	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Boiler	11.31	12.52	3.13	0.25
Hot Oil Heater*(back up unit)	4.60	3.97	.88	0.19
Fume Recovery System				18.11
Tank 33				0.016
Tank 67				0.006
Fugitives				0.568
New Hot Oil Heater	5.34	5.96	1.49	0.12
T-200, T-65, & T-68* *				**See Note
T-66 and T-101***				***See Note
TOTAL	21.25	22.45	5.50	19.26

Notes:

\*Via a prior notification to the Department that this is not a back up unit.

\*\* VOC Emissions from T-200, T-65, and T-68 are included in the fume recovery system emissions.

\*\*\*T-66 and T-101 contained solid coal tar residue. The VOC emission is insignificant.

### HAZARDOUS AIR POLLUTANTS

21. A major source is a facility that has the potential to emit more than 10 tons/year of any single HAP or 25 tons/year of combined HAPs. This source is not a major source of hazardous air pollutants.

Hazardous Air Pollutant	Potential to Emit (tons/year)
Naphthalene	2
Quinoline	0.13
Biphenyl	0.16
Dibenzofuran	1
Total	3

22. The source PTE has less than 80% of the threshold values for Title V for criteria pollutant, and less than 80% of the threshold values for Title III for single HAPs and combined HAPs, therefore, full compliance evaluation (FCE) is not required.

## **ADDITIONAL REQUIREMENTS**

### NSPS APPLICABILITY

23. There are no sources at this facility for which NSPS standards have been promulgated.

### NSR/PSD APPLICABILITY

24. This source is not subject to federal regulations for New Source Review (NSR) or further air quality analysis.
25. This source is not subject to federal regulations for Prevention of Significant Deterioration (PSD).

### NESHAPS/MACT APPLICABILITY

26. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.

### RACT APPLICABILITY

27. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the RACT rules do not apply.

### TACT APPLICABILITY

28. The source is meeting the states TACT/Highest and Best Rules by conducting the following activities:



- a. A change in the wash fluid used in the fume recovery unit from heavy oil to water.
- b. The plant is now operating 5 days per week and dependent on business conditions this could change again, at some time in the future.
- c. The fume recovery unit only operates during hours needed thus reduces emission further.
- d. The installation of the thermal oxidizer once the business level reaches 75% of the original projected level based on the through put or until monthly through put reaches 5000 tons per month for three consecutive months.

## PUBLIC NOTICE

29. Pursuant to OAR 340-216-0064(5)(a), renewals of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b). Therefore, the proposed permit will be placed on public notice from \_\_\_\_\_ to \_\_\_\_\_.

POLLUTANT	PREVIOUS PSEL (tons/yr)	PROPOSED PSEL (tons/yr)	ESTIMATED ACTUAL EMISSIONS (tons/yr)
SO <sub>2</sub>	22	39	0.02
NO <sub>x</sub>	28	39	1
CO	7	99	0.51
VOC	20	39	1.13

**SIMPLE**  
**AIR CONTAMINANT DISCHARGE PERMIT**

Department of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, #400  
Portland, Oregon 97201  
(503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and  
based on the land use compatibility findings included in the permit record.

---

**ISSUED TO:**

Koppers Industries, Inc.  
7540 NW Saint Helens Road  
Portland, OR 97210-3663

**INFORMATION RELIED UPON:**

Application No.: 0020276  
Date Received: 06/27/2002

**PLANT SITE LOCATION:**

7540 NW Saint Helens Road  
Portland, OR 97210-3663

**LAND USE COMPATIBILITY FINDING:**

Approving Authority: City of Portland  
Approval Date: 09/15/1997

**ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY**

---

Audrey O'Brien, Northwest Region Air Quality Manager

---

Dated

---

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC
Part B, #75	All Other Sources not listed in Part B (Coal tar pitch processing facility)	2865

**TABLE OF CONTENTS**

1.0 GENERAL EMISSION STANDARDS AND LIMITS.....3

2.0 OPERATION AND MAINTENANCE REQUIREMENTS.....5

3.0 PLANT SITE EMISSION LIMITS .....5

4.0 COMPLIANCE DEMONSTRATION.....6

5.0 RECORDKEEPING REQUIREMENTS.....6

6.0 REPORTING REQUIREMENTS .....7

7.0 ADMINISTRATIVE REQUIREMENTS .....9

8.0 FEES..... 10

9.0 GENERAL CONDITIONS AND DISCLAIMERS ..... 10

10.0 EMISSION FACTORS ..... 12

11.0 PROCESS/PRODUCTION RECORDS ..... 12

12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS..... 13

## **1.0 GENERAL EMISSION STANDARDS AND LIMITS**

- 1.1 Visible Emissions**      The permittee must comply with the following visible emission limits, as applicable:
- a. Emissions from any air contaminant source installed on or before June 1, 1970 must not exceed an opacity equal to or greater than 40% for a period aggregating more than 3 minutes in any one hour.
  - b. Emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 must not exceed an opacity equal to or greater than 20% for a period aggregating more than 3 minutes in any one hour.
  - c. Emissions from any air contaminant source other than fuel burning equipment must not exceed an opacity equal to or greater than 20% for a period aggregating more than 30 seconds in any one hour.
- 1.2. Particulate Matter Emissions**      The permittee must comply with the following particulate matter emission limits, as applicable:
- a. Particulate matter emissions from any fuel burning equipment installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
  - b. Particulate matter emissions from any burning equipment installed, constructed, or modified after June 1, 1970 must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air.
  - c. Particulate matter emissions from fuel burning equipment must not exceed:
    - i. 0.2 grains per dry standard cubic foot corrected to 12% CO<sub>2</sub> when using wood residue in equipment that existed before April 7, 1978;
    - ii. 0.1 grains per dry standard cubic foot corrected to 12% CO<sub>2</sub> when using wood residue in equipment that did not exist before April 7, 1978; or
    - iii. The emission rate shown in Figure 1 of OAR 340-208-0610 as a function of the maximum heat input when using all other fuels, except natural gas and LPG.
  - d. Particulate matter emissions from any air contaminant source installed on or before June 1, 1970 other than fuel

burning equipment and fugitive emission sources must not exceed 0.2 grains per standard cubic foot.

- e. Particulate matter emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.1 grains per standard cubic foot.
- f. Non-fugitive particulate matter emissions from any process must not exceed the amount shown in Table 1 of OAR 340-226-0310 for the process weight allocated to such a process.

**1.3. Fugitive Emissions**

The permittee must take reasonable precautions to prevent fugitive dust emissions by:

- a. Treating vehicular traffic areas of the plant site under the control of the permittee.
- b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.
- c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

**1.4. Particulate Matter Fallout**

The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.

**1.5. Nuisance and Odors**

The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

**1.6. Fuels and Fuel Sulfur Content**

The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.

- a. Fuel oils must not contain more than:
  - i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;
  - ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

- iii. 1.75% sulfur by weight for residual oil;
- b. The permittee is allowed to use on-specification used oil as fuel which contains no more than 0.5% sulfur by weight. The permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.

## **2.0 OPERATION AND MAINTENANCE REQUIREMENTS**

- 2.1. **Work practices**
  - a. The permittee shall at all times maintain and operate all air contaminant generating processes and all air contaminant control equipment at full efficiency and effectiveness, such that the emission of air contaminant are kept at the lowest practicable levels.
  - b. A maintenance service must be performed on the boiler at least once every two years. As a minimum, the service must include an inspection of the burners and refractory chamber, cleaning adjustment, and repair as necessary. Records of the service shall be maintained on site for a period of two (2) years and for Department's inspection.

## **3.0 PLANT SITE EMISSION LIMITS**

### **3.1. Plant Site Emission Limits (PSEL)**

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
SO <sub>2</sub>	39	tons per year
NO <sub>x</sub>	39	tons per year
CO	99	tons per year
VOC	39	tons per year

### **3.2. Annual Period**

The annual plant site emissions limits apply to any 12-consecutive calendar month period.

## 4.0 COMPLIANCE DEMONSTRATION

- 4.1. Monitoring Requirements** The permittee must monitor the operation and maintenance of the plant and associated air contaminant control devices as follows:
- All operating and production parameters to be reported to the Department annually as required in Condition 6.0.
  - Excess emission (recorded on occurrence)
  - A description of any maintenance to the air contaminant control system (recorded on occurrence)
- 4.2. PSEL Compliance Monitoring** Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:
- $$E = \Sigma(EF \times P)/2000 \text{ lbs}$$
- where,
- $E$  = pollutant emissions (ton/yr);  
 $EF$  = pollutant emission factor (see condition 0);  
 $P$  = process production (see condition 11.0)
- 4.3. Emission Factors** The permittee must use the default emission factors provided in condition 0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department. The permittee may request or the Department may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by the Department.
- 4.4. Mass Balance with controls** Annual VOC emissions for each 12 consecutive calendar month period are calculated by the following formula:

$$\text{Total VOC} = [1.37(\text{lb/operating hours}) + 2.8 (\text{lb/MMCF of natural gas}) + 0.2 (\text{lb/1000 gals distillate})] \div 1\text{ton}/2000 \text{ lbs}$$

## 5.0 RECORDKEEPING REQUIREMENTS

- 5.1. Operation and Maintenance** The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices:

- a. All operating and production parameters to be reported to the Department annually as required in Condition 6.0.
  - b. Maintenance service record performed on the boiler.
- 5.2. **Excess Emissions** The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity for 3 minutes or more in any 60-minute period.
- 5.3. **Complaint Log** The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.
- 5.4. **Retention of Records** Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

## **6.0 REPORTING REQUIREMENTS**

- 6.1. **Excess Emissions** The permittee must notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health.
  - a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 7.3.
  - b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.
  - c. The permittee must also submit follow-up reports when required by the Department.
- 6.2. **Annual Report** For each year this permit is in effect, the permittee must submit to the Department by **February 15** two (2) copies of the following information for the previous calendar year:
  - a. Operating parameters:



- i. Annual throughput of coal tar pitch
  - ii. Annual throughput of heavy oil
  - iii. Total boiler operating time (hours/year)
  - iv. Total hot oil heater operating time (hours/year)
  - v. Highest sulfur content oil burned (obtained from supplier)
  - vi. Types and quantities of fuels burned (gallons or MMCE)
  - vii. Average plant operating schedule (hours/day, days/week, weeks/year)
  - b. Computations of total VOC and HAPs emissions for any 12 consecutive months period.
  - c. Records of all planned and unplanned excess emissions events.
  - d. Summary of complaints relating to air quality received by permittee during the year.
  - e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.
  - f. List major maintenance performed on pollution control equipment.
- 6.3. Initial Startup Notice** The permittee must notify the Department in writing of the date a new facility is started up. The notification must be submitted no later than seven (7) days after startup.
- 6.4. Relocation Notice** The permittee must not install or operate the facility or any portion of the facility at any new site without first providing written notice to the Permit Coordinator in the appropriate regional office. The written notice must include the date of the proposed move, approximate dates of operation, a detailed map showing access to the new site, and a description of the air pollution controls and procedures to be installed, operated, and practiced at the new site. Additional permits may be required if the permittee operates individual components of the facility at more than one site at a time.
- 6.5. Notice of Change of Ownership or Company Name** The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

- a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
- b. Sale or exchange of the activity or facility.
- 6.6. Construction or Modification Notices** The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:
- a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;
- b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or
- c. Constructing or modifying any air pollution control equipment.
- 6.7. Where to Send Reports and Notices** The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 7.3.

## **7.0 ADMINISTRATIVE REQUIREMENTS**

- 7.1. Permit Renewal Application** The completed application package for renewal of this permit is due on July 1, 2007. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 7.3
- 7.2. Permit Modifications** Application for a modification of this permit must be submitted not less than **60** days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.
- 7.3. Permit Coordinator Address** All reports, notices, and applications should be directed to the Permit Coordinator for the area where the source is located. The Permit Coordinator addresses are as follows:
- Department of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, Suite 400  
Portland, OR 97201-4987  
Telephone: (503) 229-5582

**7.4. Department  
Contacts**

Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at [www.deq.state.or.us](http://www.deq.state.or.us). All inquiries about this permit should be directed to the regional office for the area where the source is located. The Department's regional offices are as follows:

Department of Environmental Quality  
Portland Office  
2020 SW 4th Avenue, Suite 400  
Portland, OR 97201-4987  
Telephone: (503) 229-5554

**8.0 FEES**

**8.1. Annual  
Compliance Fee**

The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a Simple ACDP is due on **December 1** of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date.

**8.2. Change of  
Ownership or  
Company Name  
Fee**

The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.

**8.3. Special Activity  
Fees**

The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.

**8.4. Where to Submit  
Fees**

Fees must be submitted to:  
Department of Environmental Quality  
Business Office  
811 SW Sixth Avenue  
Portland, Oregon 97204-1390

**9.0 GENERAL CONDITIONS AND DISCLAIMERS**

**9.1. Permitted  
Activities**

This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.

- 9.2. Other Regulations** In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
- 9.3. Conflicting Conditions** In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.
- 9.4. Masking of Emissions** The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
- 9.5. Department Access** The permittee must allow the Department's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
- 9.6. Permit Availability** The permittee must have a copy of the permit available at the facility at all times.
- 9.7. Open Burning** The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
- 9.8. Asbestos** The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
- 9.9. Property Rights** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
- 9.10. Termination, Revocation, or Modification** The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

## 10.0 EMISSION FACTORS

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF reference
Fuel Combustion:				
a) Oil, Distillate	SO <sub>2</sub>	71	lb/1,000 gal	DEQ Emission Factor
	NO <sub>x</sub>	20	lb/1,000 gal	DEQ Emission Factor
	CO	5	lb/1,000 gal	DEQ Emission Factor
	VOC	0.2	Lb/1,000 gal	DEQ Emission Factor
b) Natural gas	SO <sub>2</sub>	2.6	lb/MMCF	DEQ Emission Factor
	NO <sub>x</sub>	140	lb/MMCF	DEQ Emission Factor
	CO	35	lb/MMCF	DEQ Emission Factor
	VOC	2.8	lb/MMCF	DEQ Emission Factor
Fume Recovery System	VOC	1.37	lb/hr	Emission calculated using ChemCAD

## 11.0 PROCESS/PRODUCTION RECORDS

Emissions device or activity	Process or production parameter	Frequency
Operating hours	Hours/yr	Once a month
Fuel usage: a) oil	Gallons/hour	Once a month
b) natural gas	MM cubic feet/hour	Once a month
VOC emissions	Gallons/hour	Once a month

## 12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit	NSR	New Source Review
ASTM	American Society for Testing and Materials	O <sub>2</sub>	oxygen
AQMA	Air Quality Maintenance Area	OAR	Oregon Administrative Rules
calendar year	The 12-month period beginning January 1st and ending December 31st	ORS	Oregon Revised Statutes
CFR	Code of Federal Regulations	O&M	operation and maintenance
CO	carbon monoxide	Pb	lead
DEQ	Oregon Department of Environmental Quality	PCD	pollution control device
dscf	dry standard cubic foot	PM	particulate matter
EPA	US Environmental Protection Agency	PM <sub>10</sub>	particulate matter less than 10 microns in size
FCAA	Federal Clean Air Act	ppm	part per million
gal	gallon(s)	PSD	Prevention of Significant Deterioration
gr/dscf	grains per dry standard cubic foot	PSEL	Plant Site Emission Limit
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	PTE	Potential to Emit
I&M	inspection and maintenance	RACT	Reasonably Available Control Technology
lb	pound(s)	scf	standard cubic foot
MMBtu	million British thermal units	SER	Significant Emission Rate
NA	not applicable	SIC	Standard Industrial Code
NESHAP	National Emissions Standards for Hazardous Air Pollutants	SIP	State Implementation Plan
NO <sub>x</sub>	nitrogen oxides	SO <sub>2</sub>	sulfur dioxide
NSPS	New Source Performance Standard	Special Control Area	as defined in OAR 340-204-0070
		VE	visible emissions
		VOC	volatile organic compound
		year	A period consisting of any 12-consecutive calendar months



# Oregon

Theodore R. Kulongoski, Governor

## Department of Environmental Quality

Northwest Region Portland Office

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

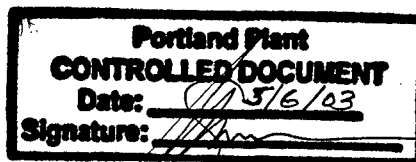
(503) 229-5263

FAX (503) 229-6945

TTY (503) 229-5471

MAY 02 2003

Koppers Inc.  
Attn: Amos Kamerer  
7540 NW Saint Helens Road  
Portland, Oregon 97210



Re: Air Contaminant Discharge Permit  
Addendum No. 020599  
Permit # 26-2930

The enclosed permit addendum revises your permit referenced above. This addendum includes a change of name from Koppers Industries, Inc. to Koppers Inc.

This addendum became effective the date it was signed by the Regional Air Quality Manager. Should you disagree with the content of the addendum, you may make appeal to the Environmental Quality Commission, or its representative, within the next twenty days. Appeals are pursuant to ORS (Oregon Revised Statute) Chapter 183 and OAR (Oregon Administrative Rule). Appeal procedures are contained in OAR Division 11-005 through 11-140. The enclosed addendum is issued pursuant to ORS 468A and OAR 340-216-010.

A copy of the current permit must be available at the facility at all times (Condition G2). Failure to comply with permit conditions may result in a civil penalty. You are expected to read the permit carefully and comply with all conditions to protect the environment of Oregon.

Questions or comments should be directed to Rose Lim at (503) 229-6191.

Sincerely,

Ed Druback  
Air Quality Manager  
Northwest Region

EJD: cab

Enclosure

Cc: Michelle Butler/AQ  
Rindy Ramos/EPA - Region X  
RSL/NWR

# RECEIVED

MAY 6 2003

KOPPERS INDS, INC.  
PORTLAND OR

Koppers012381

**SIMPLE**  
**AIR CONTAMINANT DISCHARGE PERMIT**

Department of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, #400  
Portland, Oregon 97201  
(503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and  
based on the land use compatibility findings included in the permit record.

**ISSUED TO:**

Koppers Inc.  
7540 NW Saint Helens Road  
Portland, Oregon 97210-3660

**INFORMATION RELIED UPON:**

Application No.: 020599  
Date Received: 04/16/2003

**PLANT SITE LOCATION:**

7540 NW Saint Helens Road  
Portland, Oregon

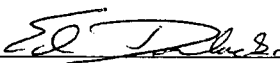
**LAND USE COMPATIBILITY FINDING:**

Approving Authority: City of Portland  
Approval Date: 09/15/1997

**PERMIT PREVIOUSLY ISSUED TO:**

Koppers Industries, Inc.

**ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY**

  
Ed Druback, Northwest Region Air Quality Manager

**MAY 02 2003**

Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

**Addendum Number A**

In accordance with OAR 340-216-0040, Air Contaminant Discharge Permit No. 26-2930 is now  
issued to: Koppers Inc.





# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region Portland Office

Air Quality Program

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

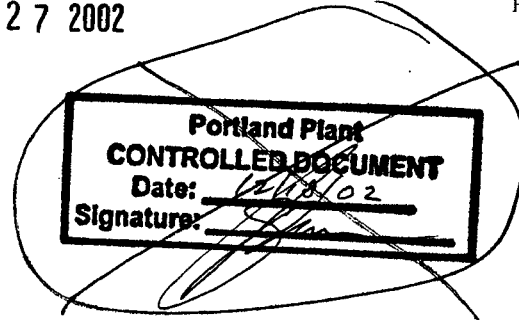
(503) 229-5554

FAX (503) 229-5265

TTY (503) 229-5471

NOV 27 2002

Amos Kamerer  
Koppers Industries, Inc.  
7540 NW St. Helens Road  
Portland, Oregon 97210



Re: Renewal of Air Contaminant Discharge  
Permit #26-2930  
Koppers Industries, Inc.

The Department of Environmental Quality has completed processing your renewal application for an Air Contaminant Discharge Permit. Based on the material contained in the renewal application and any comments received during the recent public notice period, we have issued the enclosed permit.

The effective date of the permit is the date it was signed by the regional Air Quality Manager. The signature and date appear on the first page of the document. The permit is issued pursuant to Oregon Revised Statutes 468A and Oregon Administrative Rules (OAR) 340-14-005 through 340-14-050, and 216-0010 through 216-0100.

You may appeal conditions or limitations contained in the attached permit by applying to the Environmental Quality Commission, or its authorized representative, within twenty days from the date of this letter. Appeals are pursuant to ORS Chapter 183 and OAR Chapter 340, Division 14-025(6). Appeal procedures are contained in OAR Division 11-005 through 11-140.

A copy of the current permit must be available at the facility at all times. Failure to comply with permit conditions may result in civil penalties. **You are expected to read the permit carefully and comply with all conditions** to protect the environment of Oregon.

If you have any questions, please contact Rose Lim at (503) 229-6191.

Sincerely,

Ed Druback  
Air Quality Manager  
Northwest Region

RL/EJD: cab  
Enclosure

Cc: Michelle Butler/AQ  
Rindy Ramos - Region X  
RL/NWR  
Koppers Industries  
436 Seventh Avenue, #1800  
Pittsburgh, PA 15219

cc: T. Self, K-1800  
B. Bauman, Strickney



**SIMPLE**  
**AIR CONTAMINANT DISCHARGE PERMIT**

Department of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, #400  
Portland, Oregon 97201  
(503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and  
based on the land use compatibility findings included in the permit record.

**ISSUED TO:**

Koppers Industries, Inc.  
7540 NW Saint Helens Road  
Portland, OR 97210-3663

**INFORMATION RELIED UPON:**

Application No.: 0020276  
Date Received: 06/27/2002


**PLANT SITE LOCATION:**

7540 NW Saint Helens Road  
Portland, OR 97210-3663

**LAND USE COMPATIBILITY FINDING:**

Approving Authority: City of Portland  
Approval Date: 09/15/1997

**ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY**

  
\_\_\_\_\_  
Ed Druback, Air Quality Manager

**NOV 27 2002**  
\_\_\_\_\_  
Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC
Part B, #75	All Other Sources not listed in Part B (Coal tar pitch processing facility)	2865



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

April 20, 2000

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

KOPPERS INDUSTRIES INC.  
7540 NW ST HELENS ROAD  
PORTLAND OR 97210

Re: AQ - Multnomah Co.  
Koppers Industries Inc.  
File No. 26-2930  
NC No. 017977

Attention: Amos Kamerer, Plant Manager

Department action as indicated below has been taken on your Notice of Intent to Construct and Request(s) for Construction Approval.

Project Location	Project Description	Plans and Specifications Identification
7450 NW St Helens Rd, Portland OR, 97210	Installation of an oil cooler on a fume recovery system.	NC No. 017977

### PLANS AND SPECIFICATIONS AND CONSTRUCTION APPROVAL

**APPROVED** - Subject to the attached conditions.

If the Department can be of assistance, or if there are any questions, please call me at (503) 229-6736.

Sincerely,

Randall Bailey  
Air Quality Permitting  
Northwest Region

RECEIVED

MAY - 8 2000

KOPPERS INDS, INC.  
PORTLAND OR

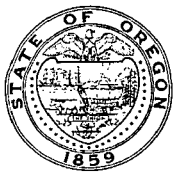
Attachment: Construction Approval General conditions  
Enclosure: Notice of Construction Completion form



PLANS AND SPECIFICATIONS AND CONSTRUCTION APPROVAL CONDITIONS

1. The construction of the project shall be in conformance to approved plans and specifications identified above. No changes or deviations, which would significantly alter the quantity or character of emissions, shall be made without prior written approval from the Department of Environmental Quality.
2. Granting approval does not relieve Koppers Industries Inc. of the obligation to obtain required local, state and other permits and to comply with the appropriate statutes, Administrative Rules, Standards, and if applicable, to demonstrate compliance.
3. This construction approval does not guarantee the adequacy of the proposed construction. Compliance with Department regulations and permit conditions remains the total responsibility of Koppers Industries Inc.
4. Emission limits and conditions of operation are set forth in your Air Contaminant Discharge Permit.
5. Koppers Industries Inc. shall operate and maintain all processes and emission control equipment at the highest reasonable efficiency and effectiveness to minimize emissions of air pollutants.
6. Please fill out and return the enclosed Notice of Construction Completion form within 30 days of completion of this approved project.

NC.LTR



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

April 20, 2000

KOPPERS INDUSTRIES INC.  
7540 NW ST HELENS ROAD  
PORTLAND OR 97210

Re: AQ - Multnomah Co.  
Koppers Industries Inc.  
File No. 26-2930  
NC No. 017977

Attention: Doug Y Hale, Environmental Manager

Department action as indicated below has been taken on your Notice of Intent to Construct and Request(s) for Construction Approval.

<u>Project Location</u>	<u>Project Description</u>	<u>Plans and Specifications Identification</u>
931 N. River St, Portland OR, 97201	Installation of an oil cooler on a fume recovery system.	NC No. 017977

### PLANS AND SPECIFICATIONS AND CONSTRUCTION APPROVAL

**APPROVED** - Subject to the attached conditions.

If the Department can be of assistance, or if there are any questions, please call me at (503) 229-6736.

Sincerely,

Randall Bailey  
Air Quality Permitting  
Northwest Region

Attachment: Construction Approval General conditions  
Enclosure: Notice of Construction Completion form



PLANS AND SPECIFICATIONS AND CONSTRUCTION APPROVAL CONDITIONS

1. The construction of the project shall be in conformance to approved plans and specifications identified above. No changes or deviations, which would significantly alter the quantity or character of emissions, shall be made without prior written approval from the Department of Environmental Quality.
2. Granting approval does not relieve Koppers Industries Inc. of the obligation to obtain required local, state and other permits and to comply with the appropriate statutes, Administrative Rules, Standards, and if applicable, to demonstrate compliance.
3. This construction approval does not guarantee the adequacy of the proposed construction. Compliance with Department regulations and permit conditions remains the total responsibility of Koppers Industries Inc.
4. Emission limits and conditions of operation are set forth in your Air Contaminant Discharge Permit.
5. Koppers Industries Inc. shall operate and maintain all processes and emission control equipment at the highest reasonable efficiency and effectiveness to minimize emissions of air pollutants.
6. Please fill out and return the enclosed Notice of Construction Completion form within 30 days of completion of this approved project.

NC.LTR

DEPARTMENT OF ENVIRONMENTAL QUALITY  
Northwest Region  
2020 SW Fourth Ave., Suite 400  
Portland, OR 97201-4987

NOTICE OF APPROVED CONSTRUCTION COMPLETION

(Return this form within 30 days of completion of approved construction)

Applicant: Supply all information requested in this block.

Company \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_ Contact \_\_\_\_\_

DEQ File No. \_\_\_\_\_ NC No. \_\_\_\_\_

Description of installed facility/equipment:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Construction completed on: \_\_\_\_\_ Placed in operation on: \_\_\_\_\_

**Tax Credits**

Do you wish to apply for tax credit? Yes \_\_\_\_\_ No \_\_\_\_\_

\_\_\_\_\_  
Signature Title Date

For DEQ Use Only

\_\_\_\_\_  
Assigned to Date Inspection report by Date

Summary of Inspection:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

**Amos S. Kameron**  
Plant Manager

Telephone: 503-286-3681  
Fax: 503-285-2831

February 25, 2000

Kathy Amidon  
Permit Writer  
Oregon Dept. of Environmental Quality  
Northwest Region, Air Quality Division  
2020 SW Fourth Ave., Suite 400  
Portland, Oregon 97201-4987

Reference: NOTICE OF INTENT TO CONSTRUCT  
FILE NO. 26-2930  
NC # 017237

Dear Kathy,

As a follow up to our telephone conversation earlier today; attached please find the Notice of Approved Construction Completion, for the above referenced Construction Notice.

As I explained, this work was actually completed in April of last year. However, shortly after that work was completed, we decided that we wanted to make an additional improvement to the fume recovery system, by adding a cooler for the heavy oil wash fluid that is used in the system. After considerable reviews by our Engineering Department, we have finally decided on the design that we think will work the best and this is now out for bid.

During this period, I erroneously thought that we could simply add this work the original Notice, thus, the very long delay in sending the attached Completion form to you.

As soon as I receive from you, the new application for construction, I will prepare it for the cooler work and get it back to you promptly.

I apologize for my over sight and the resulting delay in getting this Completion Notice back to you.

Sincerely,

Amos S Kameron

CC: T. Self, KII  
M. Cilley, KII

Koppers012390



DEPARTMENT OF ENVIRONMENTAL QUALITY  
Northwest Region  
2020 SW Fourth Ave., Suite 400  
Portland, OR 97201-4987

NOTICE OF APPROVED CONSTRUCTION COMPLETION

(Return this form within 30 days of completion of approved construction)

Applicant: Supply all information requested in this block.

Company Koppers Industries, Inc. Phone (503) 286-3681

Address 7540 NW Saint Helens Road

City, State, zip Portland, OR 97210 Contact Person Amos Kameron

DEQ File No. 26-2930 NC No. 017237

Description of installed facility/equipment:

Replaced the steam heating system for our fume recovery tank with an automated  
electric impedance system and added a demister to the vent stack to further collect  
particulate matter.

Construction completed on: 4/15/99 Placed in operation on: 4/15/99

Tax Credits

Do you wish to apply for tax credit? Yes        No X

Amos S. Kameron Signature Plant Manager Title 2/25/00 Date

For DEQ Use Only

                     Assigned to                      Date                      Inspection report by                      Date

Summary of Inspection:

# KOPPERS INDUSTRIES

Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

Amos S. Kamerer  
Plant Manager

Telephone: 503-286-3681  
Fax: 503-285-2831

February 9, 2001

Oregon Department of Environmental Quality  
Northwest Region  
2020 SW 4<sup>th</sup> Avenue, Suite 400  
Portland, Oregon 97201-4987

Attention: Randall Bailey

Reference: Air Containment Discharge Permit # 26-2930  
Thermal Oxidizer-NC No. 018175

Dear Mr. Bailey,

This is regarding Koppers Industries, Inc. January 18<sup>th</sup> letter, requesting a delay to install the new thermal oxidizer covered by the NC referenced above, and is a follow up to our telephone conversation of last week, on this same matter.

We have completed a review of our projected emissions for this year, as a result of the reduced through put volume that we now expect. In addition, during our review, we looked at any, and all things, that we could do operationally at the terminal, to further reduce these emissions.

As you know, our existing system is a fume recovery system, and is not a scrubber system. The wash material that we use in our fume recovery system to develop the required vacuum, to draw the fumes away from the load-out stations and tanks, is one of our products, heavy oil, that we then recycle back into our process. Our review of our operating practices developed the idea that we do not need to operate this system during all hours, which we operate. That, we only need to operate this system during the periods of hours when we are loading out product for shipment, or transferring product within the plant. This change in our operating plan has developed a further reduction to our estimated emissions for this year, in addition to the estimated reduction, from the lower through put volume.

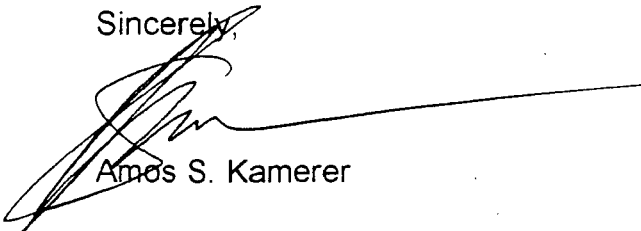
The total reduction in the estimated emissions that resulted for this year is provided in the attached materials. First, is a copy of our actual emission data for year 2000; second is the estimated data for year 2001, based on the reduced through put volume, while running the fume recovery system at all hours of operation; and last is the same estimated data for year 2001, when only operating the fume recovery system during the needed hours of operation. We used the same format for reporting all of this data, which we use for our annual emissions report, to the ODEQ.

In addition, we have developed a spreadsheet for your review that lists the emission data for the following emission categories; the actual data for years 1999 and 2000, and the estimated emission data for this year, for both scenarios mentioned above. As you can see, the total reduction in the emissions is substantial, simply as a result of the reduced through put volume. However, there is additional reduction of 25% in the estimated emissions for this year at the lower through put volume, by only operating the fume recovery system during the needed hours of operation. The total reduction from the actual data for last year, to our estimated emissions for this year, with the reduced through put volume and the reduced fume recovery system operation, is 265%.

I believe that this provides ODEQ with the necessary data, showing that our emissions will be greatly reduced during the period of the delay in the installation of the thermal oxidizer, while we wait for business conditions to improve and warrant such expenditure, and will thus grant our request for this delay.

KII appreciates your understanding in this matter. If you have any questions, with regard to any of this, please contact me at (503) 286-3681, or via e-mail at [kamereras@koppers.com](mailto:kamereras@koppers.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'Amos S. Kamerer', with a long horizontal line extending to the right.

CC: J. Dietz, KII  
T. Self, KII  
M. Cilley, KII  
B. Meisinger, KII

January 18, 2001

Oregon Department of Environmental Quality  
Northwest Region  
2020 SW 4<sup>th</sup> Avenue, Suite 400  
Portland, Oregon 97201-4987

Attention: Randall Bailey

Reference: Air Containment Discharge Permit # 26-2930  
Thermal Oxidizer-NC No. 018175

Dear Mr. Bailey,

Koppers Industries, Inc. (KII) respectfully submits this letter as a request to delay installation of the new thermal oxidizer for which a Notice of Intent to Construct Approval was granted by the Oregon Department of Environmental Quality (ODEQ) on October 10, 2000.

KII is experiencing a very sharp decline in business conditions at the Portland terminal. As a result of the current West Coast power energy crisis, of which, I am sure you are aware, all of the aluminum customers that we service through the terminal have drastically reduced, or totally eliminated, receipt of KII products. Due to these developments, the terminal has had to reduce its total work force by 45%, in the recent months. Business losses at the terminal exceeded \$1.5 million dollars last year, and losses are expected for this year, as well.

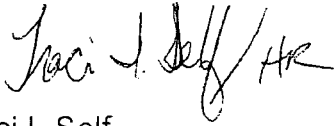
In a letter to you dated September 29, 2000, KII provided an estimate of the maximum potential emissions for one year, which would occur at the end of the 5-year period of the permit, based on processing 150,000 tons of coal tar pitch. For the year 2001, the emissions data was based on processing approximately 70,000 tons of coal tar pitch. Because of the bleak outlook for business in 2001, KII is now estimating that the terminal will only process approximately 31,000 tons of coal tar pitch. Therefore, the emissions upon which the necessity of adding a thermal oxidizer was originally based on, have also decreased.

However, we realize that the opacity emissions from the existing fume recovery system are more of a concern to ODEQ, and KII realizes that we cannot address this situation without the installation of the new thermal oxidizer. Thus, we are hoping that you will understand that KII is in a real business crisis position. As you are aware, the design and installation of a thermal oxidizer is very costly, and is an expenditure that KII is reluctant to take at this time, without a reasonable expectation of what our continued future business will be, in the Pacific Northwest.

KII requests that the implementation schedule that was outlined in the Notice of Intent to Construct be delayed, until business conditions improve. KII will notify ODEQ within 30 days of a change in the business conditions, which will warrant the continuation of this project, and this capital expenditure. We will at that time, resume the schedule at the point of contract award, as outlined in the Notice of Intent to Construct.

KII appreciates your understanding in this matter. If you have any questions, please contact Amos Kamerer at (503) 286-3681, or me at (412) 227-2883.

Sincerely,

A handwritten signature in black ink, appearing to read "Traci I. Self" with a stylized flourish at the end.

Traci I. Self  
Environmental Manager

CC: A. Kamerer, KII  
J. Dietz, KII  
T. Self, KII  
M. Cilley, KII  
B. Meisinger, KII

RECEIVED

JAN 22 2001

KOPPERS INDS, INC.  
PORTLAND OR



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

May 10, 2001

KOPPERS INDUSTRIES INC  
7540 NW ST HELENS RD  
PORTLAND OR 97210-3663

Re: AQ - Multnomah Co.  
Koppers Industries Inc.  
File No. 26-2930,  
NC No. 018175

Attention: Amos Kamerer, Plant Manager

We received letter dated April 27, 2001, summarizing Koppers Industries Inc.'s recent actions to minimize emissions and odors from the fume recovery stack and your request to delay installation of the thermal oxidizer as approved in our construction approval in NC No. 018175. Based on our belief that the measures taken have significantly reduced the visible emissions and odor impact from the fume recovery stack, we approve your request to delay installation of the thermal oxidizer until the monthly thruput reaches 5000 tons per month for three consecutive months, or until it is required in accordance with the current ACDP, whichever occurs first.

If you have any questions regarding these matters, I can be contacted at (503) 229-6736.

Sincerely,

Randall Bailey  
Air Quality Permitting  
Northwest Region

RECEIVED

MAY 11 2001

KOPPERS INDS, INC.  
PORTLAND OR



Koppers012396

DEQ-1



Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

**Amos S. Kamerer**  
Plant Manager

Telephone: 503-286-3681  
Fax: 503-285-2831

April 27, 2001

Oregon Department of Environmental Quality  
Northwest Region  
2020 SW 4<sup>th</sup> Avenue, Suite 400  
Portland, Oregon 97201-4987

Attention: Randall Bailey

Reference: Air Containment Discharge Permit # 26-2930  
Thermal Oxidizer-NC No. 018175

Dear Mr. Bailey,

The purpose of this letter is to summarize our previous discussions and the series of written information that has been provided to you over the last several of months regarding our request to delay the installation of a new thermal oxidizer, which is covered in the above Notice of Intent to Construct Approval.

The basis of Koppers Industries' request for a delay in installations is:

1. The current and foreseeable drastic decline in Koppers' business due to the shutting down of our aluminum customers operations.
2. The reduction in emissions from permitted quantities from our operating schedule changes, as a result of the reduction in throughput.
3. Our recent modifications to the operation of the fume recovery system, in response to odor complaints.

First and foremost, we have changed the wash fluid used in the fume recovery unit from heavy oil, to water. As you can see from the attached Emission Summary, this alone has reduced our emissions substantially. When compared to the data reported in our Annual Emissions Report for year 2000, the reduction in VOC's alone, dropped from 11.71 Tons/Yr to .75 Tons/Yr, as a result of this change.

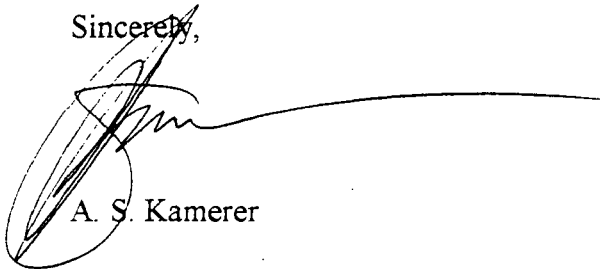
Koppers012397

Part of this total reduction is also a result of reducing our days of operation from 5 to 4 days per week. In addition, we now only operate the fume recovery unit during the hours needed rather than during all hours of operation each week. This practice reduces emissions further. However, because these hours fluctuate from week to week, depending on the business volume and other operating parameters, we have not developed an emission summary based on this scenario. We just wanted you to know that as a result of this practice, the actual emissions are even lower than what is shown on the attached summary.

Finally, it's our thought that we would proceed with the thermal oxidizer project once our business level reaches 75% of the original projected business level based on through put. Projections for this year were 80,000 tons, so we would proceed with the project at about the 60,000-ton annual throughput level.

I hope that this covers everything, if you have any questions, I can be reached at 503/286-3681.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. S. Kameron', with a long horizontal flourish extending to the right.

A. S. Kameron  
CC: J. Dietz, KII  
T. Self, KII  
M. Cilley, KII  
W. Meisinger, KII



Emissions Summary

Estimated Air Emissions for 2001 Permit #26-2930 (Fume Recovery Operation with Water)  
 Portland Terminal Emissions Summary  
 Natural Gas Combustion, Fugitives, Scrubber, Tank Breathing and Working Losses

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (lb/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
Atlas Boiler		Gas	0.42	0.96	0.01	0.02	0.11	0.24	0.01	0.01	0.02	0.05
Hot Oil Heater		Gas	0.30	0.68	0.01	0.03	0.06	0.14	0.01	0.01	0.02	0.05
Hot Oil Heater (New)		Gas	0.19	0.43	0.01	0.02	0.14	0.32	0.00	0.01	0.02	0.04
Fume Recovery System <sup>1,2,3</sup>		NA			0.08	0.34						
Tank 33		Heavy Oil			0.01	0.043						
Tank 67		Heavy Oil			0.02	0.089						
Fugitives		NA			0.09	0.217						
<b>Plant Total</b>			<b>0.91</b>	<b>2.07</b>	<b>0.22</b>	<b>0.75</b>	<b>0.31</b>	<b>0.71</b>	<b>0.02</b>	<b>0.04</b>	<b>0.06</b>	<b>0.14</b>

NOTES

<sup>1</sup> The fume recovery system receives emissions from the following units: T-68, T-65, T-200, railcar loading and tank car loading.

<sup>2</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD and water as the scrubbing fluid.

<sup>3</sup> The estimated emissions are based on an operating temperature of 150 degrees F. Actual emissions should be less with the operating scenario previously supplied.

## Kamerer Amos

---

**From:** Dietz Jim  
**Sent:** Tuesday, April 24, 2001 8:30 AM  
**To:** Kamerer Amos; Self Traci; Cilley Mark  
**Subject:** RE: 4/18/01 Odor Complaint

Amos,

I think we need to provide a letter that: 1) restates the expected emissions loading reduction due to business conditions; 2) advises of the shortened loading schedule; 3) states changes in fume system operation; and 4) when we can expect to move forward - I think this should be based on a basis of 75% of original throughput, or about 60,000 tons per year.

I'm sure he wants it all wrapped up in a package for his boss.

Jim

-----Original Message-----

**From:** Kamerer Amos  
**Sent:** Tuesday, April 24, 2001 10:20 AM  
**To:** Dietz Jim; Self Traci; Cilley Mark  
**Subject:** FW: 4/18/01 Odor Complaint

Your comments on the following would be appreciated.

Amos

-----Original Message-----

**From:** BAILEY.Randy@deq.state.or.us [mailto:BAILEY.Randy@deq.state.or.us]  
**Sent:** Monday, April 23, 2001 5:49 PM  
**To:** KamererAS@koppers.com  
**Subject:** RE: 4/18/01 Odor Complaint

OK what I need is a summary of what you are doing to minimize emissions in the interim, and the process for deciding when to put in the T.O. I know that you put some of this together before, but only in pieces. I want it all (limited operation per earlier letter, change to water, when TO goes in) in one letter. This can be a revision to your earlier letter, in letter format. I guess the job is not over until the paperwork is done. Thanks again.

-----Original Message-----

**From:** Kamerer Amos [mailto:KamererAS@koppers.com]  
**Sent:** Monday, April 23, 2001 11:48 AM  
**To:** BAILEY Randy  
**Subject:** RE: 4/18/01 Odor Complaint

Randy,

I believe that the changes will avoid a similar occurrence.

Regarding Dr. Kravits, I think I'm going to change my



Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

Amos S. Kamerer  
Plant Manager

Telephone: 503-286-3681  
Fax: 503-285-2831

March 29, 2001

Oregon Department of Environmental Quality  
Northwest Region  
2020 SW 4<sup>th</sup> Avenue, Suite 400  
Portland, Oregon 97201-4987

Attention: Randall Bailey

Reference: Air Containment Discharge Permit # 26-2930

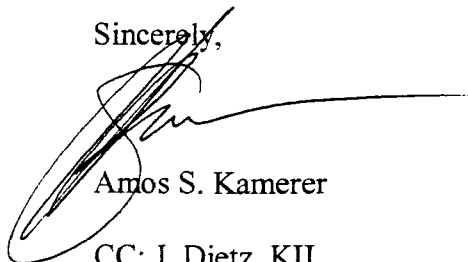
Dear Mr. Bailey,

As a follow up to our prior telephone conversations, this is to advise that after a thorough review of the various options available to us, Koppers Industries has decided to change the wash material in the fume recovery system from the current heavy oil, to water. On tests run at one of our other facilities on a similar system, the use of water as the wash material resulted in significant reductions of the opacity and odor emissions.

In addition, we have recalculated the over all plant emission estimates for year 2001, based on this change to water as the wash material, and that data is attached for your review. This change to water reflects a reduction in the VOV emissions of over 87 %, which is obviously very substantial. However, we believe, and I am sure you will agree after your visits, that the real benefit in this change will be the reduction in the opacity and the odor emissions, emitting from the unit.

If you have any questions, you can reach me at 503/286-3681. Otherwise, let me know what your plans are for next weeks visit, and I will make sure that I am here.

Sincerely,



Amos S. Kamerer

CC: J. Dietz, KII  
T. Self, KII  
M. Cilley, KII  
B. Meisinger, KII

*Hand delivered on  
3/29/01*

Koppers012401

Emissions Summary

Estimated Air Emissions for 2001 Permit #26-2930 (Fume Recovery Operation with Water)  
 Portland Terminal Emissions Summary  
 Natural Gas Combustion, Fugitives, Scrubber, Tank Breathing and Working Losses

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (lb/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
Atlas Boiler		Gas	0.42	0.96	0.01	0.02	0.11	0.24	0.01	0.01	0.02	0.05
Hot Oil Heater		Gas	0.30	0.68	0.01	0.03	0.06	0.14	0.01	0.01	0.02	0.05
Hot Oil Heater (New)		Gas	0.19	0.43	0.01	0.02	0.14	0.32	0.00	0.01	0.02	0.04
Fume Recovery System <sup>1,2,3</sup>		NA			0.08	0.34						
Tank 33		Heavy Oil			0.01	0.043						
Tank 67		Heavy Oil			0.02	0.089						
Fugitives		NA			0.09	0.217						
<b>Plant Total</b>			<b>0.91</b>	<b>2.07</b>	<b>0.22</b>	<b>0.75</b>	<b>0.31</b>	<b>0.71</b>	<b>0.02</b>	<b>0.04</b>	<b>0.06</b>	<b>0.14</b>

NOTES

<sup>1</sup> The fume recovery system receives emissions from the following units: T-68, T-65, T-200, railcar loading and tank car loading

<sup>2</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD and water as the scrubbing fluid.

<sup>3</sup> The estimated emissions are based on an operating temperature of 150 degrees F. Actual emissions should be less with the operating scenario previously supplied.

## Kamerer Amos

---

**From:** Mueller Carl  
**Sent:** Wednesday, March 28, 2001 10:44 AM  
**To:** Cilley Mark; Meisinger William; Kamerer Amos  
**Cc:** Wombles Bob  
**Subject:** Calcs. for using H2O Instead of HO

Attached is a spreadsheet summarizing the request by Mark Cilley to employ water instead of Heavy Oil for scrubbing pitch fumes in Portland. The air and pitch fume loading basis remains the same as all previous calculations. I did five case studies between 100°F and 200°F. The table gives total VOC's emitted out the stack for a month and the amount of make-up water required to maintain the level in the circulation tank as water is lost out the stack as low pressure vapor/steam. The simulation assumes no miscibility between the aqueous and organic phases.

I did try a test to let the temperature float naturally affected only by the fume and make-up water temperatures. The fumes were assumed to come in at 400°F and the make-up water at 55°F, a typical ground water temperature. The circulation temperature after 720 hours or 1 month settles out to 92°F no matter what. The temperature is highly dependent on the temp of the make-up water coming in.

If this method is pursued I would think that it would very wise to operate at elevated temperatures to allow the condensed organics to be pumped out, but I really don't have any personal experience operating a fume scrubber with water.

Carl



Results when  
scrubbing pitch f...

Stream Name  
Temp F  
Pres psia  
Total lb/hour  
Total lb/month  
Total std L gpm  
Total std V scfh  
Flowrates in lb/h  
Air  
Water  
Naphthalene  
2-Methylnaphthalene  
1-Methylnaphthalene  
Acenaphthylene  
Acenaphthene  
Fluorene  
Phenanthrene  
Anthracene  
Dibenzopyrrole  
Cyclopentaphenanthrene  
Fluoranthene  
Pyrene  
11H-Benzo(b)flu  
Benzo(c)fluoren  
Benzonaphthothio  
Benzo(c)phenanth  
Chrysene  
Benz(a)anthrac  
Triphenylene  
Benzo(e)pyrene  
Bz(j)fluoranth  
Bz(k)fluoranth  
Bz(b)fluoranth  
Benzo(a)pyrene  
Benzo(b)chrysene  
Dibenz(a,h)anthr  
Benzoperylene  
Dibenzo(a,h)pym  
Benzo(a,i)pyrene  
Very Heavy Tar

BASIS OF CALCULATIONS			Circulation Temperature		100°F		125°F		150°F		175°F		200°F	
Pitch Fumes	Air		Stream Name		Total VOC's	Monthly Make-up Water	Total VOC's	Monthly Make-up Water	Total VOC's	Monthly Make-up Water	Total VOC's	Monthly Make-up Water	Total VOC's	Monthly Make-up Water
400.0000*	400.0000*		Temp F		100.0002	99.9719	124.9996	124.9568	150	150.0719	175.0008	175.0497	200.0005	199.9905
14.7000*	14.7000*		Pres psia		14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
24.7006	3087		Total lb/month		8.8951	95966.0781	23.3375	211459.5	56.788	469854.0938	134.6147	1166304	432.5568	5032837
			Total std L gpm			16		35.2		78.3		194.5		839.1
0.0462	7.154		Flowrates in lb/month											
35.78	40463.21		Air		0	0	0	0	0	0	0	0	0	0
			Water		0	95966.0781	0	211459.5	0	469854.0938	0	1166304	0	5032837
			Naphthalene		0.8506	0	1.2495	0	1.5277	0	1.6876	0	1.7751	0
			2-Methylnaphthalene		0.0025	0	0.3385	0	1.1606	0	1.5219	0	1.7393	0
			1-Methylnaphthalene		0.0025	0	0.7235	0	1.1548	0	1.51	0	1.7347	0
			Acenaphthylene		0.0445	0	0.8325	0	6.3681	0	14.5896	0	27.0527	0
			Acenaphthene		0.1507	0	5.2449	0	30.9838	0	60.5813	0	95.6999	0
			Fluorene		0.0025	0	0.027	0	0.2226	0	0.5706	0	1.3547	0
			Phenanthrene		0.1507	0	0.2661	0	0.9137	0	9.3885	0	41.447	0
			Anthracene		0.0741	0	0.1532	0	1.5356	0	4.8102	0	20.6791	0
			Dibenzopyrrole		0.0198	0	0.0077	0	0.1044	0	0.3819	0	2.2258	0
			Cyclopentaphenanthrene		0.0618	0	0.0139	0	0.0554	0	0.7821	0	4.8865	0
			Fluoranthene		1.6154	0	0.6231	0	7.7358	0	27.1713	0	154.6195	0
			Pyrene		1.6426	0	0.1535	0	2.4373	0	9.5767	0	63.2056	0
			11H-Benzo(b)flu		0.3137	0	0.0024	0	0.0118	0	0.2477	0	1.9623	0
			Benzo(c)fluoren		0.2297	0	0.0013	0	0.0313	0	0.1468	0	1.176	0
			Benzonaphthothio		0.1606	0	0.0002	0	0.0049	0	0.0249	0	0.216	0
			Benzo(c)phenanth		0.289	0	0.0076	0	0.136	0	0.571	0	4.1045	0
			Chrysene		1.445	0	0.0029	0	0.0696	0	0.3339	0	2.7392	0
			Benz(a)anthrac		1.3116	0	0.0014	0	0.0385	0	0.1958	0	1.697	0
			Triphenylene		0.4273	0	0.0038	0	0.0757	0	0.3339	0	2.5293	0
			Benzo(e)pyrene		0.5977	0	0.0001	0	0.0027	0	0.0148	0	0.1354	0
			Bz(j)fluoranth		2.4453	0	0	0	0.0022	0	0.0139	0	0.1481	0
			Bz(k)fluoranth		2.4453	0	0	0	0.0022	0	0.0139	0	0.1481	0
			Bz(b)fluoranth		2.4453	0	0.0007	0	0.0151	0	0.0691	0	0.5516	0
			Benzo(a)pyrene		0.6768	0	0.0001	0	0.0027	0	0.0147	0	0.1353	0
			Benzo(b)chrysene		1.4128	0	0.0001	0	0.0034	0	0.019	0	0.1823	0
			Dibenz(a,h)anthr		1.1757	0	0.0002	0	0.0069	0	0.0373	0	0.3425	0
			Benzoperylene		0.5311	0	0	0	0	0	0.0004	0	0.0044	0
			Dibenzo(a,h)pym		0.5064	0	0	0	0.0005	0	0.0032	0	0.0326	0
			Benzo(a,i)pyrene		0.5064	0	0	0	0.0005	0	0.0032	0	0.0326	0
			Very Heavy Tar		4.0113	0	0	0	0	0	0	0	0	0

September 29, 2000

Oregon Department Of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, Suite 400  
Portland, Oregon 97201-4987  
Attention: Randall Bailey

RE: Koppers Industries Inc.

7540 NW ST. Helens Road  
Portland, OR 97210  
Air Contaminant Discharge Permit # 26-2930

Dear Mr. Bailey:

Attached is an estimate of "Maximum Potential Emissions, Phase II" that includes as part of the Fume combustion system emissions associated with installation of the Thermal Oxidizer. As stated in earlier communications with you, based on experience at other facilities, KII estimates installation of the thermal oxidizer based on the following schedule:

<u>Milestone</u>	<u>Estimated Time frame</u>
Prepare engineering package for bid	6 weeks
Receive bids and award contract	8 weeks
Order equipment/delivery	24-40 weeks
Installation	6 weeks
Start-up/Shake-down	4 weeks

KII began implementation of the schedule on June 1, 2000. KII has now received the bids for the thermal oxidizer unit and they are under evaluation at this time. With regard to the completion of this installation, we are still on schedule as stated in our Notice of Intent to Construct. As always, KII will provide updates as we progress.

If you have any questions please contact Amos Kamerer at (503) 503-286-3681 or me at (412) 227-2883.

Sincerely,

Traci I. Self  
Environmental Manager

Koppers012405

September 29, 2000

cc:

Amos Kamerer  
Mark Cilley  
Jim Dietz  
Leslie Hyde  
Bill Meisinger



**Basis: Potential Emissions**

Year	Pitch Total (tons)	Pitch Total (gallons)	Pitch Solid (tons)	Pitch Solid (gallons)	Pitch Liquid (tons)	Pitch Liquid (gallons)	Additive Heavy Oil (gallons)	Fume Recovery Heavy Oil (gallons)
Maximum	150,000	27,272,727	0	0	150,000	27,272,727	180,000	77,143

Gallons = tons \* 2,000 lb/ton / (11 lb/gal)

- \* Heavy Oil Throughput (Tank 33) assumed to be equal to 1.2 gallons per ton of Total Pitch Throughput
- \* New Tank(s) throughput assumed to be equal to total liquid pitch Shipments
- \* Rail Car throughput assumed equal to 60% of total pitch shipments
- \* Truck throughput assumed equal to 40% of total pitch shipments
- \* Tank 68 assumed equal to Rail Car Shipments
- \* Tank 65 throughput assumed equal to total solid pitch deliveries
- \* Uncontrolled tank breathing losses are based on +/- 10 F temperature variations.
- \* Fume recovery system solution usage was calculated by assuming 3,000 gallons per month for every 70,000 tons of Pitch processed per year.
- \* Tank 67 throughput assumed equal to fume recovery system throughput
- \* Inlet pitch concentration to fume recovery system was assumed saturated pitch at 400F  
(Actual pitch concentration is expected to be lower)
- \* Fume recovery system emissions were calculated by ChemCad.

**Phase 1 Revisions**

- \* A new tank, T-200, is vented to Fume Recovery System . The effect on emissions is negligible.
- \* A new Hot oil Heater rated at 10 MMBTU/hr is added. The old heater remains as a backup .  
Unit can burn oil and natural gas.
- \* Combustion units may operate up to 12 weeks per year using Fuel Oil and up to 52 weeks per year using Natural Gas

**Phase 2 Revisions**

- \* A new tank, T-210, is vented to Fume recovery. The effect on emissions is negligible.
- \* The Fume Recovery System is replaced with a fume combuster. Pitch fumes are controlled at 98% based on an inlet loading which is assumed saturated at 400F.
- \* Combustion units may operate up to 12 weeks per year using Fuel Oil and up to 52 weeks per year using Natural Gas

**Maximum Potential Emissions from Existing Units  
Koppers Industries, Inc., Portland Terminal**

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (lb/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
Atlas Boiler <sup>1</sup>		Gas	2.82	12.33	0.06	0.25	0.70	3.08	0.08	0.33	0.12	0.55
		Oil/Gas	3.00	12.52	0.06	0.22	0.75	3.13	10.65	11.31	0.30	1.24
		MAX	3.00	12.52	0.06	0.25	0.75	3.13	10.65	11.31	0.30	1.24
Hot Oil Heater(backup unit) <sup>1</sup>		Gas	0.81	3.57	0.04	0.19	0.17	0.75	0.03	0.14	0.04	0.16
		Oil/Gas	1.22	3.97	0.04	0.16	0.31	0.88	4.33	4.60	0.12	0.43
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4.60	0.12	0.43
Fume Recovery System <sup>2,3</sup>		NA			12.47	18.11						
Tank 33		Heavy Oil			0.37	0.016						
Tank 67		P1/P13 Distillate			0.59	0.024						
Loading Tank 67 to Rail		P1/P13 Distillate			1.71	0.003						
Fugitives		NA			0.98	0.568						
Plant Total			4.22	16.49	16.22	19.15	1.06	4.01	14.98	15.91	0.42	1.67

NOTES

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>2</sup> The fume recovery system receives emissions from the following units: T-68, T-65, railcar loading and tank car loading.

<sup>3</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

**Maximum Potential HAP Emissions from Existing Units**  
**Koppers Industries, Inc., Portland Terminal**

Unit	Commodity	Benzene (lb/yr)	Toluene (lb/yr)	Pyridine (lb/yr)	Ethylbenzene (lb/yr)	p-Xylene (lb/yr)	m-Xylene (lb/yr)	Phenol (lb/yr)	m-Cresol (lb/yr)	p-Cresol (lb/yr)	o-Cresol (lb/yr)	Naphthalene (lb/yr)	Quinoline (lb/yr)	Biphenyl (lb/yr)	Dibenzofuran (lb/yr)	Total HAPs (lb/yr)
Atlas Boiler <sup>1</sup>	Gas															
	Oil/Gas															
	MAX															
Hot Oil Heater(backup unit) <sup>1</sup>	Gas															
	Oil/Gas															
	MAX															
Fume Recovery System <sup>2,3</sup>	NA											3509.33	264.02	327.76	2136.10	6237.22
Tank 33	Heavy Oil											0.03	0.03	0.11	0.68	0.85
Tank 67	P1/P13 Distillate	3.06			0.00				0.00							3.06
Loading Tank 67 to Rail	P1/P13 Distillate	0.23	0.18		0.08	0.07	0.07	0.01	0.01	0.01	0.01	2.33	0.10	0.07	0.20	3.35
Fugitives	NA	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.03	0.04	0.12	0.43
Plant Total		3.28	0.18		0.08	0.07	0.07	0.01	0.01	0.01	0.01	3,511.93	264.19	327.98	2,137.10	6,244.89
																3.12

LB/YR  
TPY

NOTES

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>2</sup> The fume recovery system receives emissions from the following units: T-68, T-65, railcar loading and tank car loading.

<sup>3</sup> Annual HAP emissions from the fume recovery system were calculated using ChemCAD.

Koppers012409

**Maximum Potential Emissions, Phase I**  
**Koppers Industries, Inc., Portland Terminal**

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (lb/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
Atlas Boiler <sup>1</sup>		Gas	2.82	12.33	0.06	0.25	0.70	3.08	0.08	0.33	0.12	0.55
		Oil/Gas	3.00	12.52	0.06	0.22	0.75	3.13	10.65	11.31	0.30	1.24
		MAX	3.00	12.52	0.06	0.25	0.75	3.13	10.65	11.31	0.30	1.24
Hot Oil Heater(backup unit) <sup>1</sup>		Gas	0.81	3.57	0.04	0.19	0.17	0.75	0.03	0.14	0.04	0.16
		Oil/Gas	1.22	3.97	0.04	0.16	0.31	0.88	4.33	4.60	0.12	0.43
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4.60	0.12	0.43
Fume Recovery System <sup>2,3</sup>		NA			12.47	18.11						
Tank 33		Heavy Oil			0.37	0.016						
Tank 67		Heavy Oil			0.15	0.006						
Fugitives		NA			0.98	0.568						
New Hot Oil Heater <sup>1</sup>		Gas	1.34	5.87	0.03	0.12	0.34	1.47	0.04	0.16	0.06	0.26
		Oil/Gas	1.42	5.96	0.03	0.10	0.36	1.49	5.04	5.34	0.14	0.52
		MAX	1.42	5.96	0.03	0.12	0.36	1.49	5.04	5.34	0.14	0.52
T-200		Liquid Pitch				Note 4						
Plant Total			5.64	22.45	14.10	19.25	1.41	5.50	20.02	21.26	0.56	2.19

NOTES

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>2</sup> The fume recovery system receives emissions from the following units: T-68, T-65, T-200, railcar loading and tank car loading.

<sup>3</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

<sup>4</sup> VOC Emissions from T-200 are included in the fume recovery system's emissions.

**Maximum Potential HAP Emissions, Phase I**  
**Koppers Industries, Inc., Portland Terminal**

Unit	Commodity	Benzene (lb/yr)	Toluene (lb/yr)	Ethylbenzene (lb/yr)	p-Xylene (lb/yr)	m-Xylene (lb/yr)	Phenol (lb/yr)	m-Cresol (lb/yr)	p-Cresol (lb/yr)	o-Cresol (lb/yr)	Naphthalene (lb/yr)	Quinoline (lb/yr)	Biphenyl (lb/yr)	Dibenzofuran (lb/yr)	Total HAPs (lb/yr)
Atlas Boiler <sup>1</sup>	Gas														
	Oil/Gas														
	MAX														
Hot Oil Heater(backup unit) <sup>1</sup>	Gas														
	Oil/Gas														
	MAX														
Fume Recovery System <sup>2,3</sup>	NA										3,509.33	264.02	327.76	2,136.10	6,237.22
Tank 33	Heavy Oil										0.03	0.03	0.11	0.68	0.85
Tank 67	Heavy Oil										0.95	0.03	0.02	0.15	1.15
Fugitives	NA										0.03	0.00	0.00	0.03	0.07
New Hot Oil Heater <sup>1</sup>	Gas														
	Oil/Gas														
	MAX														
T-200 <sup>4</sup>	Liquid Pitch														
<b>Plant Total</b>											<b>3,510.34</b>	<b>264.09</b>	<b>327.90</b>	<b>2,136.95</b>	<b>6,239.28</b>
															<b>3.12</b>

NOTES

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>2</sup> The fume recovery system receives emissions from the following units: T-68, T-65, T-200, railcar loading and tank car loading.

<sup>3</sup> Annual HAP emissions from the fume recovery system were calculated using ChemCAD.

**Maximum Potential Emissions, Phase II**  
**Koppers Industries, Inc., Portland Terminal**

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (lb/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
Atlas Boiler <sup>1</sup>		Gas	2.82	12.33	0.06	0.25	0.70	3.08	0.08	0.33	0.12	0.55
		Oil/Gas	3.00	12.52	0.06	0.22	0.75	3.13	10.65	11.31	0.30	1.24
		MAX	3.00	12.52	0.06	0.25	0.75	3.13	10.65	11.31	0.30	1.24
Hot Oil Heater(backup unit) <sup>1</sup>		Gas	0.81	3.57	0.04	0.19	0.17	0.75	0.03	0.14	0.04	0.16
		Oil/Gas	1.22	3.97	0.04	0.16	0.31	0.88	4.33	4.60	0.12	0.43
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4.60	0.12	0.43
Fume Combustion System <sup>2,3</sup>		NA	0.223	0.98	0.49	2.16	0.29	1.26	0.18	0.98		
Tank 33		Heavy Oil			0.37	0.016						
Tank 67		Heavy Oil			0.15	0.006						
Fugitives		NA			0.98	0.568						
New Hot Oil Heater <sup>1</sup>		Gas	1.34	5.87	0.03	0.12	0.34	1.47	0.04	0.16	0.06	0.26
		Oil/Gas	1.42	5.96	0.03	0.10	0.36	1.49	5.04	5.34	0.14	0.52
		MAX	1.42	5.96	0.03	0.12	0.36	1.49	5.04	5.34	0.14	0.52
T-200		Liquid Pitch				Note 4						
T-210		Liquid Pitch				Note 4						
Plant Total	Maximum		5.64	22.45	2.12	3.30	1.41	5.50	20.02	21.26	0.56	2.19

NOTES

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>2</sup> The fume combustion system receives emissions from the following units: T-68, T-65, T-200, T-210, railcar loading and tank car loading.

<sup>3</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

<sup>4</sup> VOC Emissions from T-200 and T-210 are included in the fume combustion system's emissions.

**Maximum Potential HAP Emissions, Phase II  
Koppers Industries, Inc., Portland Terminal**

Unit	Commodity	Benzene (lb/yr)	Toluene (lb/yr)	Ethylbenzene (lb/yr)	p-Xylene (lb/yr)	m-Xylene (lb/yr)	Phenol (lb/yr)	m-Cresol (lb/yr)	p-Cresol (lb/yr)	o-Cresol (lb/yr)	Naphthalene (lb/yr)	Quinoline (lb/yr)	Biphenyl (lb/yr)	Dibenzofuran (lb/yr)	Total HAPs (lb/yr)
Atlas Boiler <sup>1</sup>	Gas														
	Oil/Gas														
	MAX														
Hot Oil Heater(backup unit) <sup>1</sup>	Gas														
	Oil/Gas														
	MAX														
Fume Combustion System <sup>2,3</sup>	NA										0.43				0.43
Tank 33	Heavy Oil										0.03	0.03	0.11	0.68	0.85
Tank 67	Heavy Oil										0.95	0.03	0.02	0.15	1.15
Fugitives	NA										0.03	0.00	0.00	0.03	0.07
New Hot Oil Heater <sup>1</sup>	Gas														
	Oil/Gas														
	MAX														
T-200 <sup>4</sup>	Liquid Pitch														
T-210 <sup>4</sup>	Liquid Pitch														
Plant Total											1.44	0.06	0.14	0.85	2.50
															0.001

LB/YR

TPY

NOTES

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>2</sup> The fume combustion system receives emissions from the following units: T-68, T-65, T-200, T-210, railcar loading and tank car loading.

<sup>3</sup> Annual HAP emissions from the fume recovery system were calculated using ChemCAD.

**Fume recovery Operating Hours- Maximum Case**  
**Koppers Industries, Inc., Portland Tar Plant, Portland, Oregon**

**Assumptions:**

All Pitch comes in as solid pitch  
Total Annual Pitch Production: 150,000 tons/yr  
Pitch loading from barges 1,100 gallons/min  
% Pitch loaded into trucks from T-68: 60 % of total pitch production  
Pitch loading pumping rate into trucks from T-68: 55.5 tons/hr, based on 37 tons loaded per 40 minutes  
% Pitch loaded into railcar from T-65: 40 % of total pitch production  
Pitch loading pumping rate into railcars from T-65: 58.0 tons/hr, based on 87 tons loaded per 90 minutes **Phase 1**  
**Loading rate for 2 racks** 116.0 tons/hr **Phase II** added a rack  
% Pitch transferred from T-65 to T-68 60.0 % of total pitch production  
Pitch transfer pumping rate from T-65 to T-68 70.0 tons/hr  
Heavy oil pumping rate: 23 tons/hr, based on 1,200 gal/15min, and a density of 9.6 lbs/gal  
Heavy Oil Annual Usage: 375 tons/yr, based on 1997 actual heavy oil usage of 42,421 gal times the ratio of potential pitch production (70,000 tons) over 1997 actual pitch production (38,000 tons)

**Calculations:**

Transfer Description	Amount per Charge (tons)	Pumping Rate (ton/hr)	Annual Amount Transferred (tons/yr)	Annual Transfer Time (hours)	Annual Number of Transfers	T-65 fume hours	T-68 fume hours	Total hours
Pitch loading from Docks	NA	297	150,000	505	NA	621		621
From T-68 to trucks	37	55.5	90,000	1,622	2,432		6486	6,486
From T-65 to rail	87	116.0	60,000	517	690	1,897		1,897
From T-65 to T-68	1200	70.0	90,000	1,286	75		1436	1,436
Heavy Oil transfer	5.76	23	375	16	65	73	73	146
<b>TOTALS:</b>				<b>3,946</b>	<b>3,262</b>	<b>2,591</b>	<b>7,995</b>	<b>10,586</b>

Assume all transfers are done independently and that the fume recoverys are at high capacity (1,050 scfm). Assume one hour before and after each transfer, 2 start/stop sequences. Therefore, the total fume recovery operating hours can be calculated as follows:

Actual case: fume recovery will run almost all of the time, many transfers will be done together.

Annual Operating Time: 100 % annual operating time .



Maximum Potential Emissions from Combined Natural Gas/Fuel Oil Combustion, Koppers Industries, Inc., Portland Tar Plant

Unit ID	Heat Input (MM BTU/Hr)	Fuel Used	Hourly Potential Fuel Use (Mgal/hr) (mmcf/hr)	Annual Potential* Fuel Use (Mgal/yr) (mmcf/yr)	Emission Factor			Emission Factor			Emission Factor			Emission Factor			Emission Factor		
					NOx			VOC			CO			SO2			PM-10		
					(lb/Mgal) (lb/mmcf)	NOx (lb/hr)	NOx (tpy)	(lb/Mgal) (lb/mmcf)	VOC (lb/hr)	VOC (tpy)	(lb/Mgal) (lb/mmcf)	CO (lb/hr)	CO (tpy)	(lb/Mgal) (lb/mmcf)	SO2 (lb/hr)	SO2 (tpy)	(lb/Mgal) (lb/mmcf)	PM-10 (lb/hr)	PM-10 (tpy)
Atlas Boiler	21	Oil	0.15	302.40	20.00	3.00	3.02	0.20	0.03	0.03	5.00	0.75	0.76	71.00	10.65	10.74	2.00	0.30	0.30
		Gas	0.02	135.66	140.00	2.82	9.50	2.78	0.06	0.19	35.00	0.70	2.37	3.80	0.08	0.57	6.20	0.12	0.94
Hot Oil Heater	8.5	Oil	0.061	122.40	20.00	1.22	1.22	0.20	0.01	0.01	5.00	0.31	0.31	71.00	4.33	4.35	2.00	0.12	0.12
		Gas	0.01	54.91	100.00	0.81	2.75	5.28	0.04	0.14	21.00	0.17	0.58	3.80	0.03	0.26	4.50	0.04	0.31
New Hot Oil Heater	10	Oil	0.071	144.00	20.00	1.42	1.44	0.20	0.01	0.01	5.00	0.36	0.36	71.00	5.04	5.11	2.00	0.14	0.14
		Gas	0.01	64.60	140.00	1.34	4.52	2.78	0.03	0.09	35.00	0.34	1.13	3.80	0.04	0.23	6.20	0.06	0.38
Total					22.451			0.481			5.503			21.257			2.191		

\* Based on 2,016 hours/year of fuel oil combustion and 6744 hours/yr of natural gas combustion

oil combustion = 12 wks/yr x 7 days/wk x 24 hrs/day = 2016 hrs

natural gas combustion = 8760 hrs - 2016 hrs = 6744 hrs

\* Assumed higher heating value of #2 Fuel Oil = 140,000 BTU/gal

\* Higher Heating Value Natural Gas = 1044 BTU/cuft

\* Emission Factors are taken from the AP-42, Section 1.3, Jan., 1995

\* SO2 Emission Factor calculated by assuming 0.5% S in Oil

\* Calculation for criteria pollutants during oil combustion = (max input in mm BTU/hr) / (higher heating value mm BTU/gal) X (2016 hr/yr) / (1000 gal/Mgal) x (Criteria emission factor lb/Mgal) / 2000 lbs/ton

\* Calculation for criteria pollutants during natural gas combustion = (max input in mm BTU/hr) / (higher heating value mm BTU/mmcf) X (6744 hr/yr) x (Criteria emission factor lb/mmcf) / 2000 lbs/ton

\* Assumed PM = PM-10

Maximum Potential Emissions from Natural Gas Combustion, Koppers Industries, Inc., Portland Tar Plant

Unit ID	Heat Input (MM BTU/Hr)	Fuel Used	Hourly Potential Fuel Use (mmcf/hr)	Annual Potential* Fuel Use (mmcf/yr)	Emission Factor			Emission Factor			Emission Factor			Emission Factor			Emission Factor		
					NOx (lb/mmcf)	NOx (lb/hr)	NOx (tpy)	VOC (lb/mmcf)	VOC (lb/hr)	VOC (tpy)	CO (lb/mmcf)	CO (lb/hr)	CO (tpy)	SO2 (lb/mmcf)	SO2 (lb/hr)	SO2 (tpy)	PM-10 (lb/mmcf)	PM-10 (lb/hr)	PM-10 (tpy)
Atlas Boiler	21	Gas	0.02	176.21	140.00	2.82	12.33	2.78	0.06	0.25	35.00	0.70	3.08	3.80	0.08	0.33	6.20	0.12	0.55
Hot Oil Heater	8.5	Gas	0.01	71.32	100.00	0.81	3.57	5.28	0.04	0.19	21.00	0.17	0.75	3.80	0.03	0.14	4.50	0.04	0.16
New Hot Oil Heater	10	Gas	0.01	83.91	140.00	1.34	5.87	2.78	0.03	0.12	35.00	0.34	1.47	3.80	0.04	0.16	6.20	0.06	0.26
<b>Total</b>				<b>331.437</b>			<b>21.774</b>			<b>0.550</b>			<b>5.301</b>			<b>0.630</b>			<b>0.967</b>

\* Based on 8760 hrs/yr of operation

Higher Heating Value Natural Gas = 1044 BTU/cuft

Emission Factors are taken from the AP-42, Section 1.4, Jan., 1995

Assumed PM = PM-10

Calculation for criteria pollutants = (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 1044 BTU/SCF)

Koppers012416

Reference: Protocol for Equipment Leak Estimates EPA-453/R-95-017, Average Emission Factors, Table 2-1

**Heavy Oil Fugitive Equipment Leaks**  
**Tanks 67**

Process Description	Number In service	Emission Factor (lb/hr/source)	Hours (year)	Emission (lb/hr)	Emission (lb/yr)
Pump seals	3	0.01899	13	0.06	0.73
Valves (in line)	23	0.00051	13	0.01	0.15
Pressure relief valves	0	0.22907	13	0.00	0.00
Open ended valves	1	0.00374	13	0.00	0.05
Flanges	57	0.00403	13	0.23	2.95
Total emissions				0.30	3.88

Assume pumping rate 200 gpm  
 Hours = 2 \* gals throughput/gpm pump rate/60 =  $\frac{77,143}{200} * 2 / 60 = 12.9$

**Heavy Oil: Storage Fugitive Equipment Leak**  
**Tank 33**

Process Description	Number In service	Emissions (lb/hr/source)	Hours year	Emission (lb/hr)	Emission (lb/yr)
Pump seals	1	0.01899	75	0.02	1.42
Valves (in line)	7	0.00051	75	0.00	0.27
Pressure relief valves	0	0.22907	75	0.00	0.00
Open ended valves	0	0.00374	75	0.00	0.00
Flanges	18	0.00403	75	0.07	5.44
Total emissions				0.10	7.13

Assume pumping rate 80 gpm  
 Hours = 2 \* gals throughput/gpm pump rate/60 =  $\frac{180,000}{80} / 60 * 2 = 75.0$

**Pitch: Storage Fugitive Equipment Leak**

Process Description	Number In service	Emissions (lb/hr/source)	Hours year	Emission (lbs/hr)	Emission (lb/yr)
Pump seals	5	0.01899	2,273	0.09	215.76
Valves (in line)	31	0.00051	2,273	0.02	35.69
Pressure relief valves	0	0.22907	2,273	0.00	0.00
Open ended valves	5	0.00374	2,273	0.02	42.55
Flanges	68	0.00403	2,273	0.27	622.82
Total emissions				0.40	916.82

Assume pumping rate 400 gpm  
 Hours = 2 \* gals throughput/gpm pump rate/60 =  $\frac{27,272.727}{400} / 60 * 2 = 2,272.7$

**Pitch: Loading Fugitive Equipment Leak**

Process Description	Number In service	Emissions (lb/hr/source)	Hours year	Emissions (lb/hr)	Emission (lb/yr)
Pump seals	2	0.01899	1,136	0.04	43.15
Valves (in line)	11	0.00051	1,136	0.01	6.33
Pressure relief valves	0	0.22907	1,136	0.00	0.00
Open ended valves	2	0.00374	1,136	0.01	8.51
Flanges	33	0.00403	1,136	0.13	151.13
Total emissions				0.18	209.12

Assume pumping rate 400 gpm  
 Hours = \* gals throughput/gpm pump rate/60 =  $\frac{27,272.727}{400} / 60 = 1,136.4$

**Distillate Fugitive Equipment Leaks**  
**Tanks 67 (Existing Case Only)**

Process Description	Number In service	Emission Factor (lb/hr/source)	Hours (year)	Emission (lb/hr)	Emission (lb/yr)
Pump seals	3	0.01899	8	0.06	0.43
Valves (in line)	23	0.00051	8	0.01	0.09
Pressure relief valves	0	0.22907	8	0.00	0.00
Open ended valves	1	0.00374	8	0.00	0.03
Flanges	57	0.00403	8	0.23	1.72
Total emissions				0.30	2.27

Assume pumping rate 200 gpm  
 Hours = 2 \* gals throughput/gpm pump rate/60 =  $\frac{45,000}{200} * 2 / 60 = 7.5$

**TOTALS FOR EXISTING CASE ONLY - i.e. T67 containing Distillate**  
 0.98 lb/hr  
 1135.34 lb/yr

**TOTAL FOR OTHER CASES - i.e. T67 containing Heavy Oil**  
 0.98 lb/hr  
 1136.96 lb/yr

Maximum Potential Emissions from Uncontrolled Loading, Koppers Industries, Inc., Portland Terminal

Existing Case Only

Reference: AP-42, 1995, Section 5.2, "Transportation and Marketing of Petroleum Liquids"

Process Description	Label	Temp. (°F)	Vapor MW (lb/lb-mole)	V <sub>p</sub> (psia)	Saturation Factor	Throughput (Mgal/min)	Throughput (Mgal/yr)	L <sub>L</sub> (lb/Mgal)	L <sub>L</sub> (lb/yr)	L <sub>L</sub> (lb/hr)
Tank 67 to Rail	P1/P13 Distillate	170	128.34	0.0386	1.45	0.20	36	0.1422	5	1.71

Throughput given by Amos 10/26/98 ROTC

Maximum Hourly VOC Loading Emissions from Uncontrolled Tanks, Koppers Industries, Inc., Portland Terminal

Tank	Commodity	Vapor MW	Temp deg F	Temp deg R	PVA psia	Pump Rate Gal/min	VOC Emissions (lb/hr)	
67	Heavy Oil	139.56	200	660.0	0.0097	100.00	0.15	
33	Heavy Oil	143.22	250	710.0	0.0302	80.00	0.37	
67	P1/P13 Distillate	128.34	170	630.0	0.0386	100.00	0.59	Existing Case Only

Pound per hour (lb/hr) tank emissions were calculated as follows

$$\frac{\text{gal}}{\text{min}} \times \frac{60 \text{ min}}{\text{hr}} \times \frac{\text{cf}}{7.48 \text{ gal}} \times \frac{\text{lb-mol}}{385 \text{ cf}} \times \frac{\text{MW lb}}{\text{lb-mol}} \times \frac{\text{PVA}}{14.7 \text{ psia}} \times \frac{530 \text{ R}}{\text{TB deg R}} = \text{lbs/hr}$$

Emissions from T-67, Koppers Industries, Inc., Portland Terminal  
Existing Case Only

Reference: AP-42, Jan. 1995, Liquid Organic Storage Tanks

Tank ID	T-67	Description	P1/P13 Distillate
City	Portland	State	OR
Company	Koppers Industries, Inc.		

**Tank Information**

Diameter (D)	24.25 ft
Shell Height (H <sub>s</sub> )	28.5 ft
Liquid Height (H <sub>L</sub> )	14.3 ft
Tank Volume	90,000 gal
Annual Throughput (assumed = remaining material)	45,000 gal
Number of Turnovers	0.5 turnovers
Is Tank Heated (Y/N)?	Y
Breather Vent Pressure Range (P <sub>B</sub> )	0.00 psia
Paint solar absorbance (primer, good) ( )	0.89
Solar Insolation (I) for Portland, OR	1,067 Btu/ft <sup>2</sup> -day

**Content Information**

Vapor Molecular Weight (M <sub>v</sub> )	128.34 lb/lb-mole
Vapor Pressure @ Average Daily Temp (P <sub>VA</sub> )	0.0386 psia @ 170 F
Daily Average Ambient Temp (T <sub>AA</sub> )	538 °R
Daily Max Ambient Temp (T <sub>AX</sub> )	548 °R
Daily Min Ambient Temp (T <sub>AN</sub> )	528 °R
Daily Ambient Temp Range (T <sub>A</sub> )	20 °R
Daily Average Liquid Surface Temperature	630 °R
Maximum Liquid Surface Temperature	640 °R
Minimum Liquid Surface Temperature	620 °R
Bulk Liquid Temperature Range	20 °R
Maximum Liquid Surface Temp (T <sub>LX</sub> )	640.00 °R
Minimum Liquid Surface Temp (T <sub>LN</sub> )	620.00 °R
Average Liquid Surface Temp (T <sub>LA</sub> )	630.00 °R
Vapor Pressure @ Max Liq. Surface Temp (P <sub>LX</sub> )	0.0500 psia
Vapor Pressure @ Min Liq. Surface Temp (P <sub>LN</sub> )	0.0297 psia
Vapor Pressure Range (P <sub>V</sub> )	0.02032 psia

V <sub>v</sub> =	6,698 ft <sup>3</sup>	
T <sub>LA</sub> = (0.44T <sub>AA</sub> ) + (0.56T <sub>B</sub> ) + (0.0079I)	=	629.44 °R
T <sub>B</sub> = T <sub>AA</sub> + (6) - 1	=	629 °R
W <sub>v</sub> =	0.0007 lb/ft <sup>3</sup>	
K <sub>E</sub> =	0.024	
T <sub>v</sub> = (0.72 * T <sub>LA</sub> ) + 0.028I	=	14.4 °R
K <sub>S</sub> =	0.971	

L <sub>S</sub> (2/96) =	42.3 lb/yr
-------------------------	------------

**WORKING LOSSES**

L <sub>W</sub> = 0.0010 M <sub>v</sub> P <sub>VA</sub> QK <sub>N</sub> K <sub>P</sub> =	5.3 lb/yr
---	-----------

**TOTAL LOSSES**

L <sub>S</sub> + L <sub>W</sub> =	47.6 lb/yr
-----------------------------------	------------

Emissions from T-67, Koppers Industries, Inc., Portland Terminal

Reference: AP-42, Jan. 1995, Liquid Organic Storage Tanks

Tank ID	T-67	Description	Heavy Oil
City	Portland	State	OR
Company	Koppers Industries, Inc.		

**Tank Information**

Diameter (D)	24.25 ft
Shell Height (H <sub>s</sub> )	28.5 ft
Liquid Height (H <sub>L</sub> )	14.3 ft
Liquid Temperature (F)	200 deg F
Tank Volume	90,000 gal
Annual Throughput	77,143 gal
Number of Turnovers	0.9 turnovers
Is Tank Heated (Y/N)?	Y
Breather Vent Pressure Range (P <sub>B</sub> )	0.00 psia
Paint solar absorbance (primer, good) ( )	0.89
Solar Insolation (I) for Portland, OR	1,067 Btu/ft <sup>2</sup> -day

**Content Information**

Vapor Molecular Weight (M <sub>v</sub> )	139.56 lb/lb-mole
Vapor Pressure @ Average Daily Temp (P <sub>VA</sub> )	0.0097 psia
Daily Average Ambient Temp (T <sub>AA</sub> )	538 °R
Daily Max Ambient Temp (T <sub>AX</sub> )	548 °R
Daily Min Ambient Temp (T <sub>AN</sub> )	528 °R
Daily Ambient Temp Range (T <sub>A</sub> )	20 °R
Daily Average Liquid Surface Temperature	660 °R
Maximum Liquid Surface Temperature	670 °R
Minimum Liquid Surface Temperature	650 °R
Bulk Liquid Temperature Range	20 °R
Maximum Liquid Surface Temp (T <sub>LX</sub> )	670.00 °R
Minimum Liquid Surface Temp (T <sub>LN</sub> )	650.00 °R
Average Liquid Surface Temp (T <sub>LA</sub> )	660.00 °R
Vapor Pressure @ Max Liq. Surface Temp (P <sub>LX</sub> )	0.0123 psia
Vapor Pressure @ Min Liq. Surface Temp (P <sub>LN</sub> )	0.0076 psia
Vapor Pressure Range (P <sub>V</sub> )	0.00466 psia

**BREATHING LOSSES**

V <sub>v</sub> =	6,698 ft <sup>3</sup>	
H <sub>VO</sub> = (H <sub>s</sub> - H <sub>L</sub> + H <sub>RO</sub> )	=	14.50
T <sub>LA</sub> = (0.44T <sub>AA</sub> ) + (0.56T <sub>B</sub> ) + (0.0079I)	=	659.44 °R
T <sub>B</sub> = T <sub>AA</sub> + (6) - 1	=	659 °R
W <sub>v</sub> =	0.0002 lb/ft <sup>3</sup>	
K <sub>E</sub> =	0.022	
T <sub>v</sub> = (0.72*T <sub>A</sub> ) + 0.028I	=	14.4 °R
K <sub>S</sub> =	0.993	

<b>L<sub>S</sub> (2/96) =</b>	<b>10.3 lb/yr</b>
-------------------------------	-------------------

**WORKING LOSSES**

<b>L<sub>W</sub> = 0.0010 M<sub>v</sub>P<sub>VA</sub>QK<sub>N</sub>K<sub>P</sub> =</b>	<b>2.5 lb/yr</b>
--	------------------

**TOTAL LOSSES**

<b>L<sub>S</sub> + L<sub>W</sub> =</b>	<b>12.8 lb/yr</b>
--	-------------------

## Emissions from T-33, Koppers Industries, Inc., Portland Terminal

Reference: AP-42, Jan. 1995, Liquid Organic Storage Tanks

Tank ID	T-33	Description	Heavy Oil
City	Portland	State	Oregon
Company	Koppers Industries, Inc.		

**Tank Information**

Diameter (D)	18.0 ft
Shell Height (H <sub>s</sub> )	24.0 ft
Liquid Height (H <sub>L</sub> )	12 ft
Liquid Temperature (F)	250 deg F
Tank Volume	45,000 gal
Annual Throughput	180,000 gal
Number of Turnovers	4.0 turnovers
Is Tank Heated (Y/N)?	Y
Breather Vent Pressure Range (P <sub>B</sub> )	0.00 psia
Paint solar absorbance (primer, good) ( )	0.89
Solar Insolation (I) for Portland, Oregon	1,067 Btu/f <sup>2</sup> -day

**Content Information**

Vapor Molecular Weight (M <sub>v</sub> )	143.22 lb/lb-mole
Vapor Pressure @ Average Daily Temp (P <sub>VA</sub> )	0.0302 psia
Daily Average Ambient Temp (T <sub>AA</sub> )	538 °R
Daily Max Ambient Temp (T <sub>AX</sub> )	548 °R
Daily Min Ambient Temp (T <sub>AN</sub> )	528 °R
Daily Ambient Temp Range (T <sub>A</sub> )	20 °R
Daily Average Liquid Surface Temperature	710 °R
Maximum Liquid Surface Temperature	720 °R
Minimum Liquid Surface Temperature	700 °R
Bulk Liquid Temperature Range	20 °R
Maximum Liquid Surface Temp (T <sub>LX</sub> )	720.00 °R
Minimum Liquid Surface Temp (T <sub>LN</sub> )	700.00 °R
Average Liquid Surface Temp (T <sub>LA</sub> )	710.00 °R
Vapor Pressure @ Max Liq. Surface Temp (P <sub>LX</sub> )	0.0373 psia
Vapor Pressure @ Min Liq. Surface Temp (P <sub>LN</sub> )	0.0243 psia
Vapor Pressure Range (P <sub>V</sub> )	0.01309 psia

**BREATHING LOSSES**

V <sub>v</sub> =	3,101 ft <sup>3</sup>	
H <sub>VO</sub> = (H <sub>S</sub> - H <sub>L</sub> + H <sub>RO</sub> )	=	12.19
T <sub>LA</sub> = (0.44T <sub>AA</sub> ) + (0.56T <sub>B</sub> ) + (0.0079I)	=	709.44 °R
T <sub>B</sub> = T <sub>AA</sub> + (6) - 1	=	709 °R
W <sub>v</sub> =	0.0006 lb/ft <sup>3</sup>	
K <sub>E</sub> =	0.021	
T <sub>v</sub> = (0.72*T <sub>A</sub> ) ± 0.028I	=	14.4 °R
K <sub>S</sub> =	0.981	

<b>L<sub>S</sub> (2/96) =</b>	<b>13.3 lb/yr</b>
-------------------------------	-------------------

**WORKING LOSSES**

<b>L<sub>w</sub> = 0.0010 M<sub>v</sub>P<sub>VA</sub>QK<sub>N</sub>K<sub>P</sub> =</b>	<b>18.5 lb/yr</b>
--	-------------------

**TOTAL LOSSES**

<b>L<sub>S</sub> + L<sub>w</sub> =</b>	<b>31.8 lb/yr</b>
--	-------------------



# VISIBLE EMISSION OBSERVATION FORM

No.

COMPANY NAME Koppers Inc.		
STREET ADDRESS 7540 N.W. St. Helens Rd.		
CITY Portland	STATE OR	ZIP 97210
PHONE (KEY CONTACT) 503-286-3681	SOURCE ID NUMBER 26-2930	

PROCESS EQUIPMENT Fume Recovery System	OPERATING MODE Operating hours
CONTROL EQUIPMENT	OPERATING MODE

DESCRIBE EMISSION POINT 22inch diameter stack	
on top of recovery tank.	
HEIGHT ABOVE GROUND LEVEL 25 ft.	HEIGHT RELATIVE TO OBSERVER Start 11ft. End Same
DISTANCE FROM OBSERVER Start 75ft End Same	DIRECTION FROM OBSERVER Start WNW End Same

DESCRIBE EMISSIONS Start Letting End Same	
EMISSION COLOR Start White End Same	IF WATER DROPLET PLUME Attached <input type="checkbox"/> Detached <input type="checkbox"/>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED Start Top of Stack End Same	

DESCRIBE PLUME BACKGROUND Start Trees/Wilds End Same	
BACKGROUND COLOR Start Blue/Green End Same	SKY CONDITIONS Start Mostly cloudy End same
WIND SPEED Start 3 mph End Same	WIND DIRECTION Start NNE End Same
AMBIENT TEMP Start 40° End 38°	WET BULB TEMP 35°
	RH. percent 90%

Stack with Plume	SOURCE LAYOUT SKETCH Draw North Arrow
Sun	
Wind	

ADDITIONAL INFORMATION Big Red Truck Loading
---

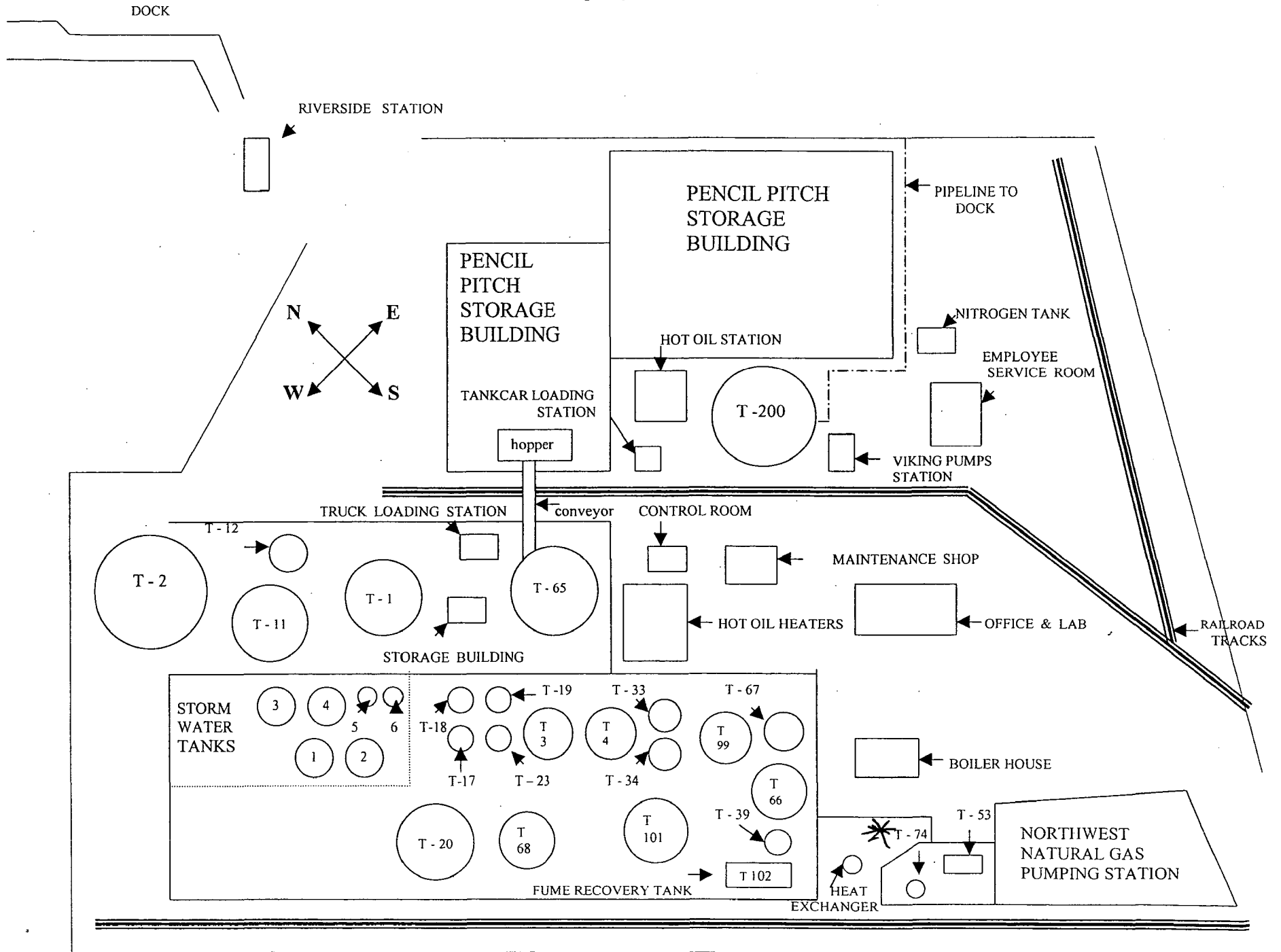
OBSERVATION DATE		START TIME		END TIME	
1-29-08		0645		0651	
SEC	0	15	30	45	COMMENTS
MIN					
1	15	15	15	10	
2	10	10	10	15	
3	15	10	10	10	
4	10	15	15	15	
5	10	15	10	10	
6	10	10	15	15	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

OBSERVER'S NAME (PRINT) T.J. Turner Cert. 1517	DATE 1-29-08
OBSERVER'S SIGNATURE 	
ORGANIZATION Koppers Inc.	

CERTIFIED BY Yakima Clean Air Authority	DATE 3-30-08
--	-----------------

CONTINUED ON VED FORM NUMBER	
------------------------------	--

# Property Site Plan



**ODEQ – NON Sept. 2004**



# Oregon

Theodore R. Kulongoski, Governor

## Department of Environmental Quality

Northwest Region Portland Office

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

(503) 229-5263

FAX (503) 229-6945

TTY (503) 229-5471

November 29, 2004

T.J. TURNER  
GENERAL FORMAN  
KOPPERS INC  
7540 NW SAINT HELENS ROAD  
PORTLAND OR 97210

RE: **Notice of Noncompliance**  
NWR-04-040  
ORD027734359  
Koppers Inc  
Hazardous Waste Violations  
Multnomah County

Dear Mr. Turner:

I reviewed the information that you have submitted for the violations documented at the Koppers facility located at 7540 NW Saint Helen Road in Portland, Oregon to demonstrate compliance with the above referenced Notice of Noncompliance (Notice). Koppers has supplied the required documentation to demonstrate compliance. However, I would like to make you aware of concerns regarding Koppers understanding regarding requests for requirements documentation.

In your response Koppers has stated that your facility is not in violation with any of the requirements because you were able to provide the requested documentation after the fact. These documents could have been produced after the fact and they were not made available at the time of the inspection. I made three requests for these documents.

During my initial inspection with Mr. Turner, the second when returned to the site several days later and met with Mr. Amos Krammer and the Corporate Environmental person by phone. My last request was made during the closing conference where I stated the violations to be cited and what I would be requesting to demonstrate compliance. Records must be made available at the time of the inspection and a failure to do so is a violation of ORS 466.090. Therefore, these violations in fact did occur. I wish to make Kopper's aware that they are regulated under other permits with the City of Portland and with the Department. It is important that Koppers understands that Departments position with respect to complying with documentation requests.

Koppers012426

This case will not be forwarded on the Department's Enforcement Section at this time. However, the other programs within the Department will be made aware of the issue with documentation requests, and failure to provide documentation during a future inspection could lead to an enforcement action.

I am considering the violations that were cited closed, and the Department will not be pursuing a further action regarding this Notice. If you have any questions concerning this Notice, you may contact me at (503) 229-6105.

Sincerely,



Rebecca Paul  
Natural Resource Specialist

(files)

cc: Office of Compliance and Enforcement, DEQ

cc: J. Dietz, K-1650

T. Self, K-1800

12/14/04

This case will not be forwarded on the Department's Enforcement Section at this time. However, the other programs within the Department will be made aware of the issue with documentation requests, and failure to provide documentation during a future inspection could lead to an enforcement action.

I am considering the violations that were cited closed, and the Department will not be pursuing a further action regarding this Notice. If you have any questions concerning this Notice, you may contact me at (503) 229-6105.

Sincerely,



Rebecca Paul  
Natural Resource Specialist

(files)

cc: Office of Compliance and Enforcement, DEQ

cc: J. Dretz, K-1650  
T. Self, K-1800  
12/14/04



# Oregon

Theodore R. Kulongoski, Governor

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

**Department of Environmental Quality**

**Northwest Region Portland Office**

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

(503) 229-5263

FAX (503) 229-6945

TTY (503) 229-5471

September 20, 2004

T.J. Turner  
General Forman  
Koppers Inc  
7540 NW Saint Helens Road  
Portland, OR 97210

**RE: Notice of Noncompliance**  
NWR-04-040  
ORD027734359  
Koppers Inc  
Hazardous Waste Violations  
Multnomah County

Dear Mr. Turner:

This Notice of Noncompliance (hereinafter called "Notice") is issued in accordance with Oregon Administrative Rules (OAR) 340-12-041(1) for hazardous waste violations documented by the Oregon Department of Environmental Quality (the Department) at the Koppers Inc facility, located at 7900 NW Saint Helens Rd, Portland, Oregon, in Multnomah County. The violations were identified during the September 13, 2004 hazardous waste inspection.

The purpose of this Notice is to inform you of violations that have been identified so that you can begin to take action to correct them. Based upon your response to these violations and upon completion of the Department's investigation, additional violations may be identified. The Department will inform you in a subsequent Notice of Noncompliance if additional violations need to be corrected.

The inspection was scheduled and conducted to determine whether hazardous waste management activities at your Portland facility are in compliance with the applicable state and federal hazardous waste regulations. These regulations are found in OAR 340 and the Code of Federal Regulations (40CFR 260-270 and 279).

As a result of this inspection, Koppers Inc was determined to be a Large Quantity Generator, (LQG) of hazardous waste, based on monthly generation of more than 2,200 pounds of hazardous waste in 2002 and 2003. The facility is currently a Conditionally



Koppers012429

Exempt Generator, (CEG) but there is a potential for the Koppers to be an LQG in the future, therefore the following LQG violations are cited:

### **Hazardous Waste Violations**

**Violation 1 - Class 2:** 40 CFR § 262.34(a)(4) as it refers to 40 CFR § 265.17(d)(1) requires a generator to maintain onsite a written list of the job descriptions of all positions related to hazardous waste management and the name of the employee who is filling that job position.

**Violation 2 - Class 2:** 40 CFR § 262.34(a)(4) as it refers to 40 CFR § 265.37(a)(3) requires a generator to make arrangements with state emergency response authorities. The facility was unable to document those arrangements with the police and the hospital. The facility did have documentation for the arrangements that they made with the Fire Department and some other agencies

**Violation 3 - Class 2:** 40 CFR § 262.34(a)(4) as it refers to 40 CFR § 265.52(e) requires a generator to update the Spill Contingency Plan to include a complete list of emergency equipment. The facility had a list of the equipment and the location of that equipment however, the list must also include the capabilities of that equipment to be complete.

**Violation 4 - Class 2:** 40 CFR § 262.34(a)(1)(i) as it refers to 40 CFR § 265.174 requires a generator to develop and execute a plan for weekly inspections of the hazardous waste container storage area. Plans for the facility were reviewed and they stated that drums were stored prior to waste shipments. At the time of the inspection there were no drums in the storage area. The facility was not generating any waste at the time of inspection but has stored waste on-site in the past. No inspection documentation could be provided to show compliance.

These are Class 2 violations are considered to be significant violations of Oregon environmental law. Should you fail to correct these violations or should similar violations occur during future inspections than we will be referred to the Department's Office of Compliance and Enforcement with a recommendation to proceed with a formal enforcement action. A formal enforcement action may include a civil penalty assessment for each day of violation.

### **Corrective Action**

Kopper's is to immediately begin correcting the violations identified in this Notice and inform the Department of the actions taken to correct these violations and prevent their recurrence. Please take the following immediate actions:

**Violation 1:** Maintain onsite a written list of the job descriptions of all positions related to hazardous waste management. You will also want to include specific hazardous waste tasks as part of those work descriptions. Not only were these



descriptions lacking a specific employee names, the tasks stated were not specific to hazardous waste management and handling.

**Violation 2:** Make arrangements with state emergency response authorities. Please send notifications and a copy of your Spill Contingency Plan to the local Police Department and Hospital via certified mail. Supply a copy of the letter sent and the certified mail receipts to the Department.

**Violation 3:** Update the Spill Contingency Plan to include a list of emergency equipment and the capabilities of that equipment.

**Violation 4:** Develop and execute a plan for weekly inspections of the hazardous waste container storage area. Develop an inspection work sheet to be used for facility inspections in the future. These inspections do not need to be implemented until the facility generates waste.

### **Additional Concerns**

Koppers is in the process of assessing the future of the company's business in Oregon. Currently, the facility has one full-time staff person and three part-time staff members. One area inspected was the coal tar pitch storage area. The coal tar is stored in steel building on the site, which would not meet the standards for hazardous waste storage. As part of the process coal tar is placed in this building for processing. The coal tar is heated so that it can be shipped to Koppers customers in a liquid form. Koppers has not set up the conveyer belt to process coal tar since the first of this year. During the inspection I observed that there was a spill of the liquid material which had hardened. This spilled coal tar had not been reprocessed or clean up the building.

Given that the Koppers is still operating and still has customers who purchase this coal tar, it would be prudent for the Koppers to clean out this area and process this material for sale to the customers. Currently, the coal tar is regulated as a product. The facility has generated some of this waste in the past. When it was generated it was managed as a Hazardous waste as a TCLP waste stream due to the presence of Benzene. According to the manager at that time the waste was not tested to determine if the material was a hazardous waste. He said, they used process knowledge and decided to take a conservative approach and manage the material as a hazardous waste. No TCLP data could be provided.

Because this material requires reclamation and it appears to be hazardous it may be covered under the speculative accumulation rules, which means that 75% of the material must be processed within one calendar year. According to personnel none of this material has been processed in the last nine months.

Please inform the Department on how the facility plans to proceed with the management of this area. If Koppers plans to process the coal tar please make arrangements with the Department for a re-inspection. Should Kopper's choose not to reprocess the coal tar, a

recommendation will be made to schedule the facility for a re-inspection in January. At that time we will be requesting processing records and a waste determination.

### **Pollution Prevention**

This Notice does not require you to implement pollution prevention. However, the Department strongly recommends you consider pollution prevention options, where applicable, to prevent the violations outlined in this notice from recurring. Pollution prevention may also enable you to reduce environmentally driven costs, reduce operating costs, and reduce the regulatory requirements and fees applied to you.

You may accomplish pollution prevention by:

1. Improving process efficiency.
2. Reducing use of energy, chemicals or raw materials.
3. Reducing amounts or toxicity of pollutants, discharges, wastes and emissions.

### **Required Response**

**Within thirty days of receipt of this Notice, unless otherwise stipulated above, the Department requests a written response.** The response must include a description of the measures that have been taken, or are proposed to be taken, to correct and control each violation outlined in this Notice. Include a description of the measures taken to prevent the violation from recurring.

You may also include a description of any steps you have taken to implement pollution prevention recommendations.

Please send **two** copies of your response to:

Rebecca Paul  
Department of Environmental Quality  
2020 SW Fourth, Suite 400  
Portland, OR 97201

If you have any questions concerning this Notice, you may contact me at (503) 229-6105.

Sincerely,



Rebecca Paul  
Natural Resource Specialist

(files)

cc: Office of Compliance and Enforcement, DEQ



# Oregon

Theodore R. Kulongoski, Governor

**CERTIFIED MAIL**

**RETURN RECEIPT REQUESTED**

**Department of Environmental Quality**

**Northwest Region Portland Office**

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

(503) 229-5263

FAX (503) 229-6945

TTY (503) 229-5471

September 30, 2004

T.J. Turner  
General Forman  
Koppers Inc  
7540 NW Saint Helens Road  
Portland, OR 97210

RE: **Copy of Inspection Report.**  
NWR-04-040  
ORD027734359  
Koppers Inc  
Hazardous Waste Violations  
Multnomah County

Dear Mr. Turner:

Enclosed is a copy of the inspection report for the Koppers facility. The report is done to detail the activities and discussion that occurred at the during the facility inspection. I am sending this to you to provide you any additional information you may need to address the corrections to the Notice that were requested by the Department.

If you have any questions concerning this letter or the Notice, you may contact me at (503) 229-6105.

Sincerely,

Rebecca Paul  
Natural Resource Specialist

(files)

cc: Office of Compliance and Enforcement, DEQ

Koppers012433

**Date:** September 16, 2004

**To:** File

**From:** Rebecca Paul: Northwest Region

**Subject:** Inspection Report on Koppers Company.

On September 9 and September 14, 2004, I performed an inspection of the Koppers Company located at 7540 NW Saint Helens Road in Portland, Oregon. This inspection was done as a routine compliance inspection and to determine the facility's compliance with the Department's Hazardous Waste regulations. I was escorted through the facility by Mr. TJ Turner the facility's General Foreman. On the second day of the inspection, I met with Mr. Amos Kamerer, who is a Semi-Retired Manager of the facility.

**Generator Status:**

The facility was registered as a Large Quantity Generator (LQG), and was operating as an LQG for the years 2002, and 2003. Currently, the facility is a Conditionally Exempt Generator, (CEG). However Koppers may be an LQG in the future depending on how they decide to manage and characterize their waste streams in the future.

**Site Inspection:**

The facility was not operating at the time of the inspection. The Department has been out to this facility in years past mostly on compliant investigations. The facility is routinely inspected due to its water quality permit. There are several areas of the facility that were in the process of being cleaned and put out of service. According to Mr. Turner this work was being done while the facility's management back east was deciding what the future of the company was going to be. I asked Mr. Turner about the process in order to understand the waste streams that were generated. I received furthermore clarification during my subsequent meeting with Mr. Kamerer.

The facility receives by-products from the coal industry. The two main products that they handle are coal tar pitch and creosols. The coal tar is received in a solid form and is commonly referred to as pencil pitch. The creosol was received in its liquid form but Koppers discontinued handling creosol several years ago. The creosol as used as a treatment chemical for railroad ties, phone poles, and in some cases as an additive to roofing compounds. The majority of the waste that was generated from the facility was related to the cleaning of the tanks that once contained the creosol.

Currently, Koppers is only servicing the contracts that they have place for two aluminum plants in the Northwest. The coal tar pitch is used to make the pot liners for the aluminum industry. They had contracts with many of the smelters in the northwest. Some of those smelters have

since shut down so the company is in the process of servicing the two remaining smelters in the area. According to Mr. Turner, Koppers will be evaluating in December if the Portland operation will continue to exist. As a result of the lost of business, the facility has cleaned out 20 product storage tanks at the facility, and is currently only using six tanks for their operation.

The process of making the coal tar pitch saleable requires that the facility changes its form from a solid to a liquid material. The raw material is stored in a large metal building onsite. The material is placed on a conveyor belt and is fed in to a heating unit. The material is heated to about 350 ° F to turn the material into a liquid. The liquid material is then placed into tanker trucks for transportation. Currently, the facility is shipping out three truck loads per day, three to four days per week. Mr. Turner and I toured the facility and there was no activity going on at the time. There were no waste drums in storage. The majority of the tanks that had been cleaned out were labeled as being "out-of service". There were some drums stored on the west side of the building but these drums were empty. We then toured the raw product area where dry coal tar is stored. During my past inspections at the facility there were large piles of material in this building. This time there were some very small piles of materials which mostly appeared to be residues of previously heated materials. There was metal crating in between the asphalt floor and the walls. A fair amount of dry coal tar had collected in these areas. A spill of previously heated coal tar was observed on the floor in this building. I asked Mr. Turner about this spill. He said that one of the trucks was overweight so it was returned to the facility to offload the overweight material. They poured off the liquid material on to the floor of the building and allowed it to harden on the asphalt. He said that he was going to scrape up the material and place it back into the process to be reheated and reused. I asked when this spill occurred and he said the material had been there for six weeks. I asked him when they were planning on running the conveyor. I also asked him when it was last operated. He said that they have not used it since the first of the year which is approximately nine months from the date of this inspection.

We toured the remainder of the facility. There were three drums of used oil stored in drum storage area. These drums were labeled and closed at the time of the inspection. There were no drums of hazardous waste found at the facility.

I then performed a records review which I continued on September 14, 2004. The delay was due to a previous appointment Mr. Turner had. I also had some additional questions regarding the paperwork I reviewed. I needed Mr. Kameron to clarify some of these issues for me. Mr. Kameron works a part time schedule. I had some questions regarding the process and the waste streams that were generated. The waste codes on the manifests were listed as U051, and D018. The material was shipped in drums as a solid, in 2003. This material did not use the same shipping name as the creosote which is specifically listed. Mr. Kameron said that waste was the solid coal tar or pencil pitch not the creosote. I asked him if the material had been tested to determine if it fails to TCLP benzene. He said at the time that he assigned the waste codes to the material because it was less expensive to dispose of this waste as a hazardous waste as opposed to testing it. He said he took a more conservative approach to the disposal. I asked if they had any test results for the coal tar or pencil pitch. During this meeting they contacted their corporate environmental manager. She said that she was not sure if they had TCLP data on the coal tar pitch or not. She said that the information was on the MSDS sheet. I explained that they should have lab results to back up what was on the MSDS sheet. However, the purpose of an MSDS

sheet is for worker safety issues not disposal. Furthermore the disposal of the material, coal tar is regulated as a hazardous waste in its used form, in the aluminum business it is regulated as a listed waste, for Potliner, K061.

I explained my reasoning for asking the questions related to the coal tar pitch. If the material is a hazardous material that requires reclamation prior to its use, the coal tar which is remaining inside the steel building has the potential to become a hazardous waste under the rules of speculative accumulation. The facility must process 75% of the material within one calendar year. Any material that is not processed then becomes a waste and is subject to a waste determination and management as such. Given that all of the information that the facility has provided regarding this material, it may be a hazardous waste for TCLP benzene. Since the facility has customers that use the product, it would be wise for the company to process and sell the material before the year is over. I explained this during the closing conference for the facility.

#### **Waste Streams:**

**Coat Tar Pitch: U051, D018:** Koppers characterized this waste stream based on knowledge and they have no supporting lab data. It is likely that the waste stream was mischaracterized for the U051 waste code, and that it may or may not fail for the TCLP benzene.

**Waste Creosote: U051, D018:** This is waste generated from the cleanout of tanks at the facility. The creosote is specifically listed under the U-listing for creosote. It is also likely that it would also fail a TCLP analysis for benzene.

#### **Manifests and Land Disposal Restriction (LDR) Forms:**

The manifests and the LDR forms were reviewed. The facility had all of the signed copies of the manifests. The LDR forms filed for each shipment of waste. All of the manifests were within the 60-day return signature requirement.

In the case of the waste codes that were assigned they may or may not be correct. The personnel Koppers took a more conservative approach to the disposal of this waste, which would be not a violation.

#### **Employee Training:**

The employee training program was reviewed. The personnel were trained in the facility's Spill Contingency Plan and some very basic hazardous waste training. They documented that the training was provided for the two years that they were operating as an LQG. As part of that requirement job descriptions for personnel must be included. The facility had job descriptions however they did not address the tasks associated with hazardous waste responsibilities. It must also include the specific list the person's name who is filling that job title. This is done so the facility and its employees have accountability. Koppers was also not doing weekly inspections of the drum storage area when hazardous waste drums were being stored. Personnel need to be trained on how to perform these inspections. These inspections should be documented in order to demonstrate compliance.

**Spill Contingency Plan:**

The facility was required to have a formal Spill Contingency Plan as well a formal SPPC plan. The SPPC plan was modified to incorporate the needed additions for hazardous waste. It is required that the plan have a listing of the equipment available to use during a spill. The facility had a list and the location of that equipment however; it was missing a description of capabilities of the equipment.

Koppers has also done some major tank cleaning work. Currently twenty tanks have been cleaned and are not in operation. When major changes occur those changes need to be address in the plan. The facility is required to make emergency notifications to the Fire Department, local Hospital, and the Police Department. The facility a copy to the Fire Department but had not documented that they had sent a copy to the Police and the Hospital.

**Satellite Accumulation Areas:**

There were no satellite accumulation areas at the facility.

**Drum Storage Area:**

The drums currently being stored in the waste storage area were used oil drums. These drums were labeled and closed at the time of the inspection. When the facility generates any hazardous waste drums they will need to start performing and documenting weekly inspections of this area.

**Hazardous Waste Tank logs:**

The facility was performing weekly inspections and logs for tanks which store products. These tanks do not contain hazardous wastes. The majority of the tanks are empty.

**Annual Reports:**

The facility has filed annually, and they have paid their fees for the waste that they generate.

4 weeks

9/14/04

Fax # 503-229-6945

Rebecca Paul, ODEQ

- Timing good
- Pitch building
  - Speculative Accum 25% in 1 year
- Recommendation clean the building (411)
  - in between walls & floors
  - process now
  - would like a schedule of this activity

soon after better  
"could" have  
another insp. in  
Dec. / Jan.

- Pitch DD18 - Benz 7
- TCLP 0.5 m/L 0
- 40 CFR - 261.24

\* Job Des. - 40 CFR. 265.16 personal training program  
~~(C)(1)~~

- TCLP data on pitch
- T-clip results

\* - drum inspection log

- spec: Hospital & Police & Fire
- 40 CFR - 265.53

\* Equipment capabilities > out of service  
pad - oil on solvents

- gave her a pitch sample



## Oregon DEQ

[Home](#) > [Programs](#) > [Cleanup & Spills](#) > [ECSI Query](#) > [ECSI Site Details](#)



## Environmental Cleanup Site Information (ECSI) Database Site Summary Report - Details for Site ID 2348

This report shows data entered as of September 14, 2004 at 9:49:16 AM

This report contains site details, organized into the following sections: 1) Site Photos (appears only if the site has photos); 2) General Site Information; 3) Site Characteristics; 4) Substance Contamination Information; 5) Investigative, Remedial and Administrative Actions; and 6) Site Environmental Controls (i.e., institutional or engineering controls; appears only if DEQ has applied one or more such controls to the site). A key to certain acronyms and terms used in the report appears at the bottom of the page.

Go to [DEQ's Facility Profiler](#) to see a site map as well as information on what other DEQ programs may be active at this site.

### General Site Information

Site ID: 2348	Site Name: Koppers Industries Inc.	CERCLIS No: 027734359
Address:	7540 NW St. Helens Rd Portland 97210	
	County: Multnomah	Region: Northwest
Other location information:		
	Investigation Status: Suspect site requiring further investigation	NPL Site: No
Property:	Twtnshp/Range/Sect: 1N, 1W, 12	Orphan Site: No
	Latitude: 45.5791 deg.	Study Area: No
	Longitude: -122.7583 deg.	Tax Lots: 111
		Site Size: 6.85 acres
Other Site Names:	Pittsburgh Acquisition Corporation, Inc.	

### Site Characteristics

General Site Description:

Site History:

Contamination Information: See ECSI #183 (Wacker Siltronic).

Manner and Time of Release:

Hazardous Substances/Waste Types:

Pathways:

Environmental/Health Threats:

Status of Investigative or Remedial Action: Evaluation of this site included in Strategy Recommendation for Wacker Siltronic. Refer to ECSI #183.

Data Sources:

### Substance Contamination Information

Substance	Media Contaminated	Concentration Level	Date Recorded
No information is available			

### Investigative, Remedial and Administrative Actions

Action	Start Date	Compl. Date	Resp. Staff	Lead Pgm
Site added to CERCLIS	07/01/1979			
EPA Screening Site Inspection 1	12/23/1987	12/15/1988		
No Further Remedial Action Planned under Federal program	12/15/1988	12/15/1988		
EPA Site Inspection Prioritization	11/15/1994	02/16/1995		

Site Screening recommended (EV)	05/24/1999 05/24/1999	Stephen Fortuna	SAS
Site added to database	05/24/1999 05/24/1999	Janelle Waggy	VCS
REMEDIAL INVESTIGATION (Primary Action)	10/04/2000	<u>Matt McClincy</u>	VCS
Listing Review completed	10/01/2002 10/01/2002	Eric Blischke	VCS
Insufficient information to list	10/01/2002 10/01/2002	Eric Blischke	VCS

Key to certain acronyms and terms in this report:

**CERCLIS No.:** The U.S. EPA's Hazardous Waste Site identification number, shown only if EPA has been involved at the site.

**Region:** DEQ divides the state into three regions, Eastern, Northwest, and Western; the regional office shown is responsible for site investigation/cleanup.

**NPL Site:** Is this site on EPA's National Priority List (i.e., a federal Superfund site)? (Y/N).

**Orphan Site:** Has DEQ's Orphan Program been active at this site? (Y/N). The Orphan Program uses state funds to clean up high-priority sites where owners and operators responsible for the contamination are absent, or are unable or unwilling to use their own resources for cleanup.

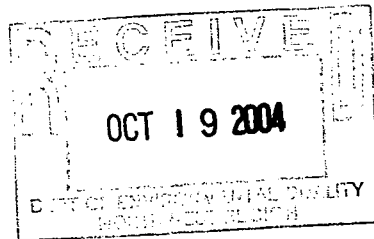
**Study Area:** Is this site a Study Area? (Y/N). Study Areas are groupings of individual ECSI sites that may be contributing to a larger, area-wide problem. ECSI assigns unique Site ID numbers to both individual sites and to Study Areas.

**Pathways:** A description of human or environmental resources that site contamination could affect.

**Lead Pgm:** This column refers to the Cleanup Program affiliation of the DEQ employee responsible for the action shown. SAS or SAP = Site Assessment; VCS or VCP = Voluntary Cleanup; ICP = Independent Cleanup; SRS or SRP = Site Response (enforcement cleanup); ORP = Orphan Program.

You may be able to obtain more information about this site by contacting Matt McClincy at (503) 229-5538 or via email at [mcclincy.matt@deq.state.or.us](mailto:mcclincy.matt@deq.state.or.us). If this does not work, you may contact Gil Wistar at (503) 229-5512, or via email at [wistar.gil@deq.state.or.us](mailto:wistar.gil@deq.state.or.us) or contact the Northwest regional office.

DEQ Online is the official web site for the Oregon Department of Environmental Quality.



Koppers Inc.  
Carbon Materials and Chemicals  
7540 NW Saint Helens Road  
Portland, OR 97210-3663  
Tel 503 286 3681  
Fax 503 285 2831  
www.koppers.com

10/15/2004

Rebecca Paul  
Natural Resource Specialist  
Oregon Department of Environmental  
Quality  
Northwest Region Portland Office  
2020 SW 4th Avenue, Suite 400  
Portland, Oregon 97201-4987

**Subject: Notice Of Noncompliance  
NWR-04-040  
ORD027734359  
Koppers Inc.  
Hazardous Waste Violations  
Multnomah County**

Dear Rebecca:

Koppers received the Notice of Noncompliance on September 21, 2004 and respectively submits this response:

- Violation 1-Class 2: 40 CFR 262.34(a)(4) as it refers to 40 CFR 265.17(d)(1) requires a generator to maintain onsite a written list of the job descriptions of all positions related to hazardous waste management and the name of the employee who is filling that job position.

**Response:**

Koppers maintains written job descriptions for each position that specifically lists the Safety, Health and Environmental (SH&E) responsibilities of that position. The job description for the General Foreman and Utility man was provided to you during the inspection along with the training matrix that identified T.J. Turner as the general foreman and Scott Hummel as the utility-man. These two documents together meet the requirements of 265.17(d) (1); therefore no violation exists.

- Violation 2-Class 2: 40 CFR 262.34 (a)(4) as it refers to 40 CFR 265.37(a)(3) requires a generator to make arrangements with state emergency response authorities. The facility was unable to document those arrangements with the police and the hospital. The facility did have documentation for the arrangements that they made with the Fire Department and some other agencies.



**Koppers Inc.**

**Carbon Materials and Chemicals**

7540 NW Saint Helens Road

Portland, OR 97210-3663

Tel 503 286 3681

Fax 503 285 2831

www.koppers.com

10/19/2004

Rebecca Paul  
Natural Resource Specialist  
Oregon Department of Environmental  
Quality  
Northwest Region Portland Office  
2020 SW 4th Avenue, Suite 400  
Portland, Oregon 97201-4987

*Fax: 9 pages Total*

**Subject: Notice OF Noncompliance**  
**NWR-04-040**  
**ORD027734359**  
**Koppers Inc.**  
**Multnomah County**

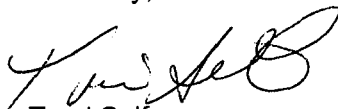
Dear Rebecca:

In response to your telephone call today Koppers Inc. realized that some of the attachments were omitted. Included with this letter are the following:

- Page 21 of the SPCC plant which you reviewed during your visit that discusses the emergency equipment capabilities.
- The Training Matrix that lists TJ Turner as General Foreman and the General Foreman Job description
- TCLP analysis demonstrating that coal tar pitch passes TCLP. Please keep in mind that the material in the building is a product and not a waste.

If you have any questions please contact me at (412) 227-2883 or TJ. Turner at (503) 286-3681.

Sincerely,

  
Traci Self

cc:

Enclosure(s)

Koppers012442

## RECORDS REVIEW FOR PORTLAND TERMINAL FACILITY

RECORD	REFERENCE
<b>WATER</b>	
NPDES Waste Discharge Permit No. 101642	
No sanitary wastes	Schedule D special condition 1
Contingency Plan	Schedule D special condition 2
No emulsifying agents or detergents except Chemcoa 1035-A	Schedule D special condition 3
Reapplication 180-days before expiration -note date of permit expiration is 1/31/04	NPDES general condition Section A 4
Flow device installed calibrated maintained	NPDES general condition Section C 2
Monitoring procedures per 40 CFR Part 136	NPDES general condition Section C 3
Monthly DMR by 15 <sup>th</sup> of following month -limitations -monitoring requirements	NPDES general condition Section C 5 -limits schedule A -monitoring requirements schedule B
Records content -COC -Lab data package	NPDES general condition Section C 9
Twenty four hour reporting if exceedance	NPDES general condition Section D 5
Other non-compliance reporting	NPDES general condition Section D 6
Signatory requirements	NPDES general condition Section D 8
Industrial Wastewater Discharge Permit No. 314.001	
Discontinued	Ltr. Dated 2/5/03
<b>AIR MONITORING RECORDS/REPORTS</b>	
Air Contaminant Discharge Permit No. 26-2930	
Boiler maintenance records -once every 2-years -inspection of burners and refractory chamber -cleaning adjustment -repair as necessary -maintain records for 2-years	Permit Condition 2.1 and 5.1
Operation and Maintenance records	Permit Condition 5.1 and 6.2
Excess emissions record -ex.upsets, startup, shutdown, maintenance	Permit Condition 5.2
Complaint log -record incident and actions	Permit Condition 5.3
Annual Report -emission limits -by 2/15	Permit Condition 6.2 Permit Condition 3.1
<del>Notice of change of ownership</del>	Permit Condition 6.3
Fees -annual -change of ownership	Permit Condition 8.0
Process/Production records (once per month) -Operating hours (hrs/yr) -Fuel usage, oil, nat. gas(gal/hr, or MMcf/hr) -VOC emissions (gal/hr)	Permit Condition 11.0
<b>WASTE</b>	
Waste Manifests	40 CFR 262.20
LDR Notifications	40 CFR 268.7(a)



# Oregon

John A. Kitzhaber, M.D., Governor

**Department of Environmental Quality**

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

February 26, 2001

Mr. Bob Wyatt  
Northwest Natural  
220 N.W. Second Avenue  
Portland, OR 97209

Re: Monitoring Well Installation, Koppers Industries  
Lease Area – Former GASCO Facility

Dear Bob:

The Oregon Department of Environmental Quality (DEQ) received the Work Plan for Monitoring Well Installation Activities, Koppers Industries Lease Area. This document was submitted on your behalf by Hahn and Associates and was received by DEQ on February 8, 2001. The work plan describes the installation of two monitoring wells to monitor groundwater downgradient of a proposed coal tar pitch storage tank within the Koppers Industries lease area. The purpose of the monitoring wells is to evaluate groundwater conditions prior to and following tank construction to determine whether tank construction activities will exacerbate contamination at the former GASCO site.

The monitoring well installation work plan, including the location and depths of the proposed monitoring wells is generally acceptable. However, DEQ requests the following clarifications prior to DEQ approval of the well installation plan:

- Section 4.1. Page 3. It is unclear whether the boring for MW-16 will be advanced directly through the proposed pilot hole. The diameter of the proposed pilot hole and the air rotary hole should be specified. In addition, this section should describe the installation and sealing of the protective casing prior to advancing the borehole for well installation.
- Section 4.2. Page 4. It is unclear from the description and from the boring logs how the surface casing will be sealed. DEQ recommends that a standard cement-bentonite mixture be used to optimize the effectiveness of the seal.

Please submit a revised plan that addresses the above comments to DEQ within 4 weeks of this letter. It is our understanding that current market conditions have resulted in a postponement of Koppers Industries proposed tank installation. As a result, please keep DEQ apprised of the timing of the proposed tank installation.

Mr. Bob Wyatt  
February 26, 2001  
Page 2

Please contact me at (503) 229-5648 if you have any questions.

Sincerely,



Eric L. Blischke  
Project Manager  
Voluntary Cleanup and Portland Harbor Section

cc: Mike Rosen, NWR/DEQ  
Rod Struck, NWR/DEQ  
John Wegrzyn, NWR/DEQ

## Kamerer Amos

---

**From:** Kamerer Amos  
**Sent:** Monday, January 15, 2001 11:38 AM  
**To:** Bob Wyatt (E-mail)  
**Subject:** ODEQ

Bob,

Regarding the letter to ODEQ on the 2nd tank, at least 6 months advance notice of the driving of any new piling, if they will buy that, sounds good to us.

One other thing that needs to be added in the letter, is that we, NWN and KII, feel that this matter is now resolved and we will plan accordingly. In other words, if KII's business conditions stay poor for say another 2 years, we don't want ODEQ to think that this matter should need to be addressed again, at that time. We have an agreement now, that should be good for whenever we are ready to put in the 2nd tank.

We would like to see the draft of the letter, prior to it being sent to ODEQ.

Thanks,

Amos



JAN 04 '01 03:29PM

P.2/3



# Oregon

John A. Kitzhaber, M.D., Governor

**Department of Environmental Quality**

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

December 27, 2000

Mr. Bob Wyatt  
Northwest Natural  
220 N.W. Second Avenue  
Portland, OR 97209

Re: Above Ground Storage Tank Support Piling  
Monitoring, Koppers Industries, Inc. Lease Area -  
Former GASCO Facility

Dear Bob:

The Oregon Department of Environmental Quality (DEQ) has reviewed the updated summary of groundwater monitoring data obtained from monitoring wells downgradient of the new above ground coal tar pitch tank constructed by Koppers Industries, Inc (Koppers). This information was submitted to DEQ on your behalf by Hahn and Associates on November 3, 2000.

Based on the groundwater monitoring information received to date, it does not appear that the 1999 tank installation has created an ongoing conduit for the migration of contamination into the alluvial water bearing zone at the GASCO site. However, DEQ is still concerned about this possibility during the installation of pilings to support a second tank. At this time, DEQ will allow the installation of one additional tank to be installed immediately south of the existing tank as long as the following conditions are met:

- Shallow and deep alluvial groundwater conditions downgradient from the proposed tank location must be monitored. Two monitoring wells should be installed at the proposed MW-16 monitoring well location. These monitoring wells should be installed in a manner similar to the installation of monitoring wells MW-15-50 and MW-15-66. DEQ agrees that it is desirable to install and sample the proposed monitoring well prior to initiation of the tank installation. A plan which describes the monitoring well installation and groundwater monitoring procedures should be prepared and submitted to DEQ by January 30, 2001.
- A piling installation plan must be prepared and submitted to DEQ for approval. The plan should describe the number, location and type of pilings to be installed. In addition, the plan must demonstrate that the proposed piling installation will minimize the potential for creating a conduit for contaminant migration. The piling installation plan should be submitted to DEQ by February 15, 2001.



DEQ-1

Koppers012447

JAN 04 '01 03:30PM

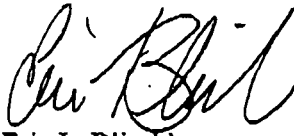
P.3/3

Mr. Bob Wyatt  
December 27, 2000  
Page 2

Northwest Natural and Koppers Industries, Inc. should be aware that the installation of the pilings through a known area of dense non-aqueous phase liquid (DNAPL) contamination has the potential to create conduits for contaminant migration, hinder future remedial actions at the former GASCO site, and increase remedial action costs. In addition, should monitoring of the tank installation determine that an ongoing conduit for contaminant migration has been created DEQ will require evaluation of cleanup options to address the exacerbation of existing contamination.

Please contact me at 229-5648 if you have any questions.

Sincerely,



Eric L. Blischke  
Project Manager  
Voluntary Cleanup and Portland Harbor Section

cc: Mike Rosen, NWR/DEQ  
Rod Struck, NWR/DEQ  
John Wegyzm, NWR/DEQ



# Oregon

August 9, 1994

DEPARTMENT OF  
ENVIRONMENTAL  
QUALITY

NORTHWEST REGION

Ms. Carla Kelley  
Associate Counsel  
Northwest Natural Gas Company  
220 N.W. Second Avenue  
Portland, OR 97209

Re: RI/FS Agreement and Scope of Work for  
Northwest Natural Gas Company - GASCO  
Site

Dear Ms. Kelley:

Enclosed is a signed original of the Remedial Investigation and Feasibility Study Agreement and Scope of Work (SOW) prepared by the Oregon Department of Environmental Quality (DEQ) for the former GASCO facility located at 7540 N.W. St. Helens Road in Portland, Oregon. This document is being returned to you for your records.

DEQ appreciates your participation in the Voluntary Cleanup Program and looks forward to a productive relationship. If you have any questions, please do not hesitate to contact me at 229-6802.

Sincerely,

Eric L. Blischke  
Project Manager, Voluntary Cleanup Section  
Northwest Region

EB:eb

Enclosure

cc: Mike Rosen, NWR/DEQ (w/o enclosure)  
Sandra Hart, NWNG (w/o enclosure)  
Norm King, WMCD/DEQ (w/ enclosure)  
Kurt Burkholder, DOJ (w/o enclosure)  
Dick Bach, Stole, Rives, Boley Jones & Grey (w/o enclosure)



2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice/TDD  
DEQ-1

Konnors012440

✓ CORPORATE SECRETARY REGISTER:

COMPUTER REGISTER:

CUSTOMER SERVICE REGISTER:

GAS PURCHASE/AGENCY REGISTER:

INTERSTATE SALES AGREEMENTS:

NORTHWEST PIPELINE REGISTER:

SYSTEM SUPPLY REGISTER;

ONGDC REGISTER:

NNGES REGISTER:

PACIFIC SQUARE REGISTER:

OTHER AGREEMENTS REGISTER:

NNGFC REGISTER:

KELSO BEAVER PIPELINE REGISTER:

NNG CAPACITY CORPORATION:

CONTRACT NO.: 348

DATE: August 9, 1994

BETWEEN: Oregon Department of Environmental Quality

SUBJECT MATTTTER: RI/FS Agreement and Scope of Work for NWNG Co. - GASCO Site

VOLUNTARY AGREEMENT FOR  
REMEDIAL INVESTIGATION/FEASIBILITY STUDY

DEQ NO. WMCVC-NWR-94-13

BETWEEN: Northwest Natural Gas Company

AND: Oregon Department of Environmental Quality (DEQ)

EFFECTIVE DATE: 8/8/94

Pursuant to ORS 465.260(2) and (4), the Director, Oregon Department of Environmental Quality (DEQ), enters this Agreement with the Northwest Natural Gas Company (NWNG). This Agreement contains the following provisions:

	<u>Page</u>
I. Recitals.....	1
II. Agreement.....	3
A. Work.....	3
B. Public Participation.....	3
C. DEQ Access and Oversight.....	3
D. Project Managers.....	4
E. Notice and Samples.....	4
F. Quality Assurance.....	5
G. Records.....	5
H. Progress Reports.....	6
I. Other Applicable Laws.....	6
J. Reimbursement of DEQ Costs.....	6
K. Force Majeure.....	7
L. Prior Approval.....	7
M. Dispute Resolution.....	7
N. Enforcement of Agreement and Reservation of Rights.....	8
O. Hold Harmless.....	8
P. Parties Bound.....	9
Q. Modification.....	9
R. Duration and Termination.....	9

I. RECITALS

- A. NWNG is a "person" under ORS 465.200(13).
- B. The NWNG site is a "facility" under ORS 465.200(6). The NWNG site occupies approximately 47 acres at 7540 N.W. St. Helens Road, Portland, Oregon and is the location of a former oil gasification plant. A vicinity map and a site map are included in Attachment A to this Agreement.

- C. From 1913 until 1956, NWNG; then known as the Portland Gas and Coke Company (GASCO) operated an oil gasification plant on the present property owned by NWNG. An adjoining approximately 73 acre portion of the property was sold by NWNG in 1962 and is currently the site of the Wacker Siltronic Corporation manufacturing facility. The former GASCO facility produced oil gas and lampblack briquettes. Other materials produced by the plant for sale included light oils, tar and electrode grade coke. Wastes generated at the facility included tar, wastewater containing dissolved and suspended hydrocarbons, and spent oxide. Many of these wastes were disposed of in on-site tar ponds. In 1971 the largest remaining tar pond was estimated to contain 6 million gallons of tar and tar/water emulsion. This tar pond was subsequently filled in with spent oxide material and rubble and spread out over the southeastern portion of the site. NWNG currently operates a liquified natural gas (LNG) plant at the site and leases portions of the former GASCO facility to Pacific Northern Oil Company (Pacific Northern) and Koppers Industries, Incorporated (Koppers).
- D. Investigations conducted to date indicate that petroleum hydrocarbons, volatile aromatic hydrocarbons and polycyclic aromatic hydrocarbons (PAHs) are present in subsurface soils and groundwater on the NWNG property. A total PAH concentration of 926 mg/l was detected in a 1984 sample collected from a monitoring well installed on the property leased from NWNG by Koppers. Ethylbenzene and xylene were detected in the same monitoring well at 380 mg/l and 2600 mg/l respectively. Analysis of a 1984 sediment sample collected from the NWNG LNG containment basin detected 300 mg/kg of total PAHs. Analysis of a 1993 water sample collected from the NWNG LNG containment basin detected 8.3 mg/l of benzene and 1.4 mg/l of total PAHs.

The substances described in this section are "hazardous substances" under ORS 465.200(9). The presence of hazardous substances in soil and groundwater at the facility constitutes a "release" or "threat of release" into the environment under ORS 465.200(14).

- E. NWNG requested DEQ oversight of its investigation and cleanup activities and executed a voluntary Letter Agreement with DEQ on January 3, 1994. NWNG provided a \$5,000 advance deposit to cover initial DEQ oversight costs.
- F. DEQ considers the activities required by this Agreement to be necessary to protect public health, safety, and welfare and the environment.

## II. AGREEMENT

The parties agree as follows:

### A. Work

#### 1. Remedial Investigation and Feasibility Study.

NWNG shall perform a remedial investigation and feasibility study (RI/FS) satisfying OAR 340-122-070 and OAR 340-122-080, the terms and schedule of a DEQ-approved work plan developed by NWNG, and applicable elements of the general Scope of Work contained in Attachment B to this Agreement. NWNG may specify, in the proposed work plan, elements of the Scope of Work that NWNG considers inapplicable or unnecessary to the RI/FS for the facility. NWNG may propose to perform the work in phases or operable units.

#### 2. Review

DEQ shall provide review, approvals/disapprovals, and oversight in accordance with the schedule set forth in the Scope of Work, or as soon as thereafter practicable in the event staff resources or workload prevent compliance with the schedule. Any DEQ delay shall correspondingly extend NWNG's schedule for a related deliverable or activity.

#### 3. Additional Measures

NWNG may elect at any time during the term of this Agreement to undertake measures other than those required under this Agreement necessary to address a release or threatened release of hazardous substances at the facility which is the subject of this Agreement. Such other measures shall be subject to prior approval by DEQ, which approval shall be granted if DEQ determines that the additional measures will not compromise the validity of the RI/FS and will not threaten human health or the environment.

### B. Public Participation

Upon execution of this Agreement, DEQ will provide public notice of this Agreement through issuance of a press release, at a minimum to a local newspaper of general circulation, describing the measures required under this Agreement. Copies of the Agreement will be made available to the public. DEQ shall provide NWNG a draft of such press release and consider any comments by NWNG on the draft press release, before publication.

### C. DEQ Access and Oversight

1. DEQ shall use its best efforts, but not be obligated, to provide reasonable advance notice before entering the

facility. NWNG shall allow DEQ to enter and move freely about all portions of the facility at all reasonable times for the purposes, among other things, of inspecting records relating to work under this Agreement; observing NWNG's progress in implementing this Agreement; conducting such tests and taking such samples as DEQ deems necessary; verifying data submitted to DEQ by NWNG; and, using camera, sound recording, or other recording equipment for purposes relating to work under this Agreement.

2. NWNG shall permit DEQ to inspect and copy all records, files, photographs, documents, and data relating to work under this Agreement, except that NWNG shall not be required to permit DEQ inspection or copying of items subject to attorney-client or attorney work product privilege. DEQ shall use its best efforts, but not be obligated, to provide reasonable advance notice before records inspection and copying requests.
3. Attorney-client and work product privileges may not be asserted with respect to any records required under Section II.G.1 and II.G.2 of this Agreement. NWNG shall identify to DEQ, by addressor-addressee, date, general subject matter, and distribution, any document, record, or item withheld from DEQ on the basis of attorney-client or attorney work product privilege. DEQ reserves its rights under law to obtain documents DEQ asserts are improperly withheld by NWNG.

#### D. Project Managers

1. To the extent possible, all reports, notices, and other communications required under or relating to this Agreement shall be directed to:

DEQ Project Manager:

Eric Blischke  
Department of Environmental Quality  
Northwest Region  
2020 S.W. Fourth Avenue, Suite 400  
Portland, OR 97201  
(503) 229-6802

NWNG Project Manager:

Sandra Hart  
Northwest Natural Gas  
Company  
220 S.W. Second Avenue  
Portland, OR 97209  
(503) 226-4211

2. NWNG's and DEQ's Project Managers shall be available and have the authority to make day-to-day decisions necessary to complete the scope of work under this Agreement.

#### E. Notice and Samples

NWNG shall make every reasonable attempt to notify DEQ of any excavation, drilling, or sampling to be conducted under this Agreement at least five (5) working days before such activity but in no event less than twenty-four (24) hours before such activity. Upon DEQ's verbal request, NWNG shall make available to DEQ a



split or duplicate of any sample taken pursuant to this Agreement. DEQ shall make every effort to complete analysis of any split or duplicate sample on a schedule consistent with NWNG's schedule for related activities.

#### F. Quality Assurance

NWNG shall conduct all sampling, sample transport, and sample analysis in accordance with the Quality Assurance/ Quality Control (QA/QC) provisions approved by DEQ as part of the work plan. All plans prepared and work conducted as part of this Agreement shall be consistent with DEQ's "Quality Assurance Policy No. 760.00". NWNG shall ensure that each laboratory used by NWNG for analysis performs such analyses in accordance with such provisions.

#### G. Records

1. In addition to those technical reports and documents specifically required under this Agreement, NWNG shall provide to DEQ within ten (10) days of DEQ's written request copies of existing documents relating to work required under this Agreement, including QA/QC memoranda and audits, final plans, final reports, task memoranda, field notes, and laboratory analytical data that have undergone data quality validation.
2. If DEQ determines that review of raw data or preliminary laboratory reports is necessary in order to ensure protection of public health, safety, and welfare and the environment, that information will be provided by NWNG immediately upon DEQ's written request. When such information is requested, DEQ will fully inform NWNG of the reasons making the request necessary.
3. Except for preliminary drafts which have been superseded, NWNG and DEQ shall preserve all records and documents in possession or control of NWNG and DEQ, respectively, or their employees, agents, or contractors that relate in any way to activities under this Agreement for at least five (5) years after termination under Section II.R. of this Agreement; provided that after such 5-year period, NWNG and DEQ shall provide the other sixty (60) days notice before destruction or other disposal of such records and make them available for inspection and copying.
4. NWNG may assert a claim of confidentiality regarding any documents or records submitted to or copied by DEQ pursuant to this Agreement. DEQ shall treat documents and records for which a claim of confidentiality has been made in accordance with ORS 192.410 through 192.505. If NWNG does not make a claim of confidentiality at the time the documents or records are submitted to or copied by DEQ, the documents or records may be made available to the public without notice to NWNG.

## H. Progress Reports

During each month of this Agreement, NWNG shall deliver to DEQ on or before the tenth (10th) day of each month two (2) copies of a progress report containing the following items. DEQ anticipates that the progress report will not exceed 2 pages in length.

1. Actions taken under this Agreement during the previous month;
2. Actions scheduled to be taken in the next month;
3. Sampling, test results, and any other data generated by NWNG during the previous month; and
4. A description of any problems experienced during the previous month and the actions taken to resolve them.

## I. Other Applicable Laws

All actions under this Agreement shall be performed in accordance with all applicable federal, state, and local laws and regulations; except that, in accordance with ORS 465.315(2), DEQ in its discretion may exempt the on-site portion of any removal or remedial action from applicable requirements of ORS 466.005 to 466.385, ORS Chapter 459, or ORS Chapter 468 (1989).

## J. Reimbursement of DEQ Oversight Costs

1. DEQ shall submit to NWNG a monthly statement of costs actually and reasonably incurred after issuance of this Agreement by DEQ or the State of Oregon in connection with any activities related to the facility or oversight of NWNG's implementation of this Agreement. Each invoice will include a summary of costs billed to date. DEQ will also include a direct labor summary showing the person charging the time, the number of hours and the nature of the work performed.
2. DEQ or State of Oregon oversight costs payable by NWNG shall include both direct and indirect costs. Direct costs include site-specific expenses, DEQ contractor costs, and DEQ legal costs. Indirect costs are those general management and support costs of the DEQ and of the Waste Management and Cleanup Division allocable to DEQ oversight of this Agreement and not charged as direct, site-specific costs. Indirect costs are based on a percentage of direct personal services costs. DEQ shall maintain work logs, payroll records, receipts and other documents to document work performed and expenses incurred under this Agreement and, upon request, shall make such records available to Respondent for inspection during the time of this Agreement and for at least one year thereafter.

3. Within thirty (30) days of receipt of the monthly statement, NWNG shall pay the amount of costs billed by check made payable to the "State of Oregon, Hazardous Substance Remedial Action Fund".

#### K. Force Majeure

1. If any event occurs that is beyond NWNG's reasonable control and that causes or might cause a delay or deviation in performance of the requirements of this Agreement, NWNG shall promptly notify DEQ's Project Manager verbally of the cause of the delay or deviation and its anticipated duration, the measures that have been or will be taken to prevent or minimize the delay or deviation, and the timetable by which NWNG proposes to carry out such measures. NWNG shall confirm in writing this information within five (5) working days of the verbal notification.
2. If NWNG demonstrates to DEQ's satisfaction that the delay or deviation has been or will be caused by circumstances beyond the control and despite the due diligence of NWNG, DEQ shall extend times for performance of related activities under this Agreement as appropriate. Circumstances or events beyond NWNG's control might include but are not limited to acts of God, unforeseen strikes or work stoppages, fire, explosion, riot, sabotage, or war. Increased cost of performance or changed business or economic circumstances shall be presumed not to be circumstances beyond NWNG's control.

#### L. Prior Approval

Where DEQ review and approval is required for any plan or activity under this Agreement, NWNG shall not proceed to implement the plan or activity until DEQ approval is received. Any DEQ delay in granting or denying approval shall correspondingly extend the time for completion by NWNG. Prior approval shall not be required in emergencies or in instances where NWNG believes a delay in undertaking a particular action will threaten human health, safety or the environment; provided NWNG shall notify DEQ immediately after the emergency or activity and evaluate its impact on the RI/FS.

#### M. Dispute Resolution

In the event of disagreement between NWNG and DEQ regarding implementation of this Agreement, NWNG and DEQ shall, in the following order: 1) make a good faith effort to resolve the dispute between Project Managers; 2) if necessary, refer the dispute for resolution by the immediate supervisors of the Project Managers; and 3) if necessary, provide each other their respective positions in writing and refer the dispute for resolution by DEQ's Administrator of the Waste Management and Cleanup Division or the appropriate Region Administrator and NWNG's Chief Executive

Officer. DEQ's final decision after such dialogue shall be enforceable under this Agreement. If NWNG refuses or fails to follow DEQ's final decision, the parties shall be entitled to such rights and remedies, including but not limited to, judicial review and subject to such limitation as provided by applicable law.

**N. Enforcement of Agreement and Reservation of Rights**

1. In the event of NWNG's failure to comply with this Agreement (including any failure to reimburse oversight costs), DEQ may enforce this Agreement under ORS 465.260(5) or may terminate this Agreement after thirty (30) days written notice to NWNG.
2. In the event of DEQ's failure to provide oversight in accordance with this Agreement, NWNG may terminate this Agreement after thirty (30) days written notice to DEQ. Costs incurred or obligated by DEQ before the effective date of any termination of this Agreement shall be owed under the Agreement notwithstanding such termination.
3. NWNG does not admit any liability or violation of law by virtue of entering this Agreement.
4. Nothing in this Agreement shall prevent NWNG from exercising any rights of contribution or indemnification NWNG might have against any person regarding activities under this Agreement; provided, NWNG waives any right it might have under ORS 465.260(7) to seek reimbursement from the Hazardous Substance Remedial Action Fund for costs incurred under this Agreement.
5. NWNG agrees not to litigate, in any proceeding brought by DEQ to enforce this Agreement, any issue other than NWNG's compliance with this Agreement.

**O. Hold Harmless**

1. NWNG shall save and hold harmless the State of Oregon and its commissions, agencies, officers, employees, contractors, and agents, and indemnify the foregoing, from and against any and all claims arising from acts or omissions related to this Agreement of NWNG or its officers, employees, contractors, agents, receivers, trustees, or assigns. The State of Oregon shall notify NWNG of any such claims or actions as soon as practicable after receiving notice that such a claim or action is threatened or has been filed. NWNG shall have the right to participate fully at its own expense in the defense or settlement of such claims, including the right to promptly receive related correspondence with the claimant and the opportunity to participate in related meetings and telephone conferences with the claimant. The state will confer with NWNG regarding litigation and settlement strategy and, to the extent practicable, will allow NWNG to review and comment on

pleadings and settlement documents before they are filed with the court or sent to the claimant. NWNG shall have no obligations under this subsection with respect to any claim settled or otherwise compromised without NWNG's having been provided the opportunity to participate in accordance with this subsection. Subject to Article XI, Section 7 of the Oregon constitution and the Oregon Tort Claims Act, DEQ and the State of Oregon shall be responsible for the acts and omissions of their own employees and agents, except for DEQ acts approving or omissions constituting approval of NWNG's activities under this Agreement. DEQ shall not be considered a party to any contract made by NWNG or its agents in carrying out activities under this Agreement.

2. To the extent permitted by Article XI, Section 7, or the Oregon Constitution and by the Oregon Tort Claims Act, the State of Oregon shall save and hold harmless NWNG and its officers, employees, contractors, and agents, and indemnify the foregoing, from and against any and all claims arising from acts or omissions related to this Agreement of the State of Oregon or its commissions, agencies, officers, employees, contractors, or agents (except for acts approving or omissions constituting approval of any activity of NWNG under this Agreement). NWNG shall not be considered a party to any contract made by DEQ or its agents in carrying out activities under this Agreement.

**P. Parties Bound**

This Agreement shall be binding on the parties and their respective successors, agents, and assigns. The undersigned representative of each party certifies that he or she is fully authorized to execute and bind such party to this Agreement. No change in ownership or corporate or partnership status relating to the facility shall in any way alter NWNG's obligations under this Agreement, unless otherwise approved in writing by DEQ.

**Q. Modification**

DEQ and NWNG may modify this Agreement by mutual written agreement.

**R. Duration and Termination**

Upon completion of work under this Agreement, NWNG shall submit to DEQ a written notice of completion. This Agreement shall be deemed satisfied and terminated upon payment of all oversight cost owed and upon DEQ's issuance of a letter acknowledging satisfactory completion of activities in accordance with this Agreement. Such letter shall be issued within sixty (60) days of receipt of notice of completion and payment of outstanding DEQ oversight costs, or as soon thereafter as is reasonably practicable.

NORTHWEST NATURAL GAS COMPANY

By: B. J. [Signature]  
(Name)  
Sr VP  
(Title)

Date: \_\_\_\_\_

STATE OF OREGON  
DEPARTMENT OF ENVIRONMENTAL QUALITY

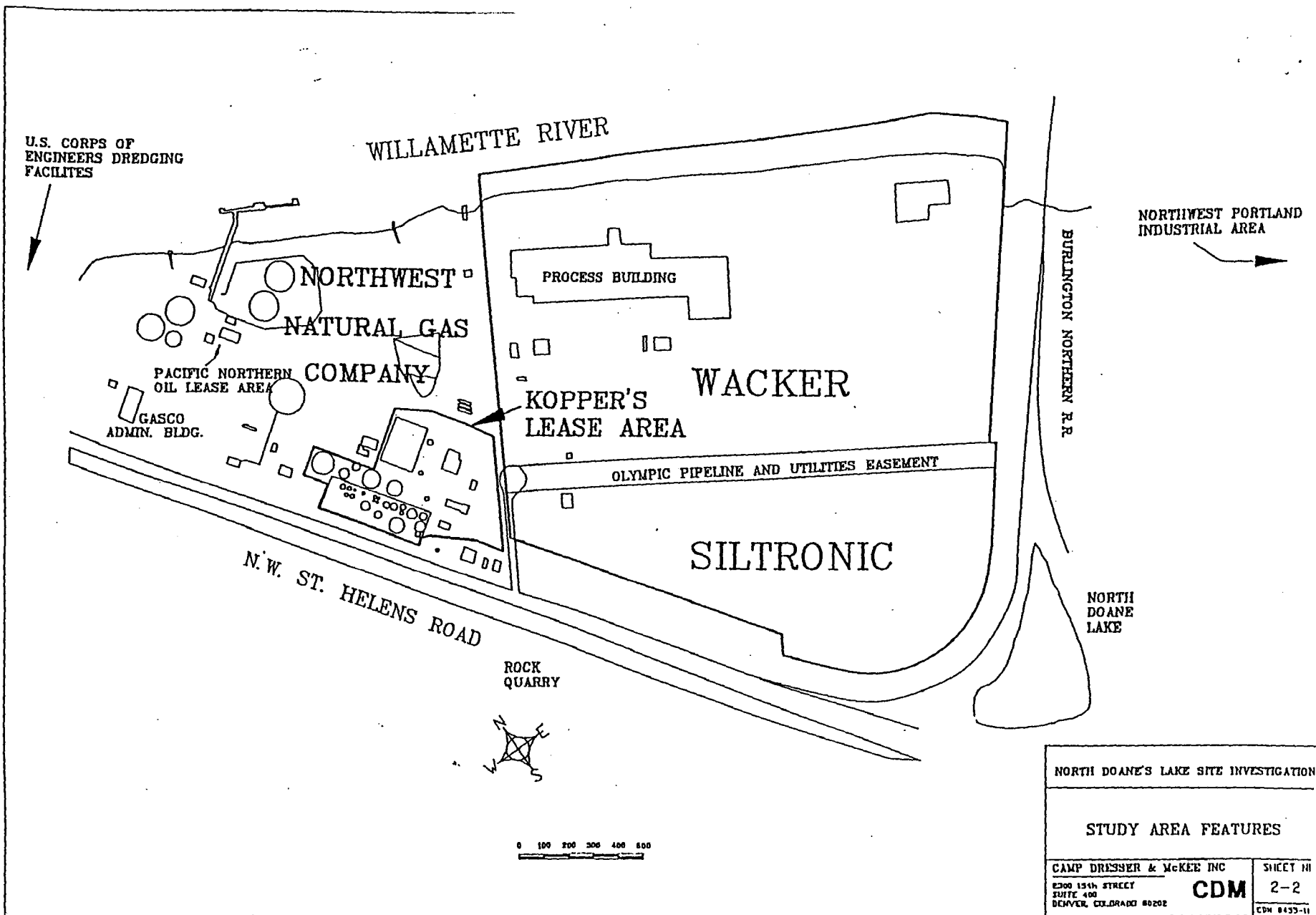
By: [Signature]  
(Name)  
\_\_\_\_\_  
(Title)

Date: AUG 8 1994

**ATTACHMENT A**  
**VICINITY AND SITE MAPS**







NORTH DOANE'S LAKE SITE INVESTIGATION

# STUDY AREA FEATURES

CAMP DRESSER & MCKEE INC 2300 15th STREET SUITE 400 DENVER, COLORADO 80202	SHEET NO <b>CDM</b> 2-2 CDM 8433-11
---	--

**ATTACHMENT B**  
**SCOPE OF WORK**

ATTACHMENT B

VOLUNTARY CLEANUP PROGRAM  
REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
SCOPE OF WORK

I. OBJECTIVES AND SCHEDULE

A. OBJECTIVES

1. Work performed under this Agreement shall complement and incorporate existing site information with the following specific objectives:
  - i. Determine the magnitude, nature and extent of contamination at the Northwest Natural Gas Company (NWNG) site located at 7540 N.W. St. Helens Road. The investigation and cleanup, if required, shall include properties leased to Pacific Northern Oil Company and Koppers Industries, Incorporated. The investigation shall focus on, but not be limited to, petroleum related contaminants such as volatile aromatic compounds and polycyclic aromatic hydrocarbons (PAHs) and inorganic contaminants such as metals, cyanide and hydrogen sulfide.
2. Work performed under this Agreement shall complement and incorporate existing site information with the following overall objectives:
  - i. Identify the hazardous substances which have been released to the environment,
  - ii. Determine the full nature and extent of hazardous substances in affected media on and off-site,
  - iii. Determine the distribution of hazardous substance concentrations,
  - iv. Determine the direction and rate of migration of hazardous substances,
  - v. Identify migration pathways,
  - vi. Identify the environmental impact and risk to human health and/or the environment,
  - vii. Develop the information necessary to select a remedial action.

B. SCHEDULE

The Remedial Investigation/Feasibility Study (RI/FS) described in this Scope of Work may be completed in phases if that approach will better enable NWNG to meet the objectives listed above. All work under this Agreement will proceed in accordance with the schedule below, which assumes a phased approach and is measured in calendar days:

RI/FS Proposal	Provide to DEQ within 30 days of issuance of this agreement.
Meeting to discuss RI/FS Proposal	Between DEQ and NWNG within 15 days of DEQ's receipt of the RI/FS proposal; DEQ and NWNG will meet, if necessary, to review the proposal, concur on the RI/FS approach, and discuss the content and format of deliverables.
DEQ approval of RI/FS Proposal	To NWNG within 10 days of meeting or within 15 days of receipt of RI/FS Proposal if meeting not held.
Draft RI/FS Work Plan	To DEQ within 45 days of receipt of DEQ's approval of the RI/FS Proposal; the Draft RI/FS Work Plan shall include the draft Sampling and Analysis Plan (SAP), Health and Safety Plan (HASP), Quality Assurance Project Plan (QAPP), Endangerment Assessment Work Plan (EAWP) and Feasibility Study Work Plan (FSWP).
DEQ review and comments	To NWNG within 30 days of receipt of the Draft RI/FS Work Plan.
Revised Draft RI/FS Work Plan	To DEQ within 15 days of receipt of DEQ comments; the revised RI/FS Work Plan shall include a revised SAP, HASP, QAPP, EAWP and FSWP as necessary, addressing DEQ comments.
DEQ review and approval	To NWNG within 15 days of receipt of an approvable RI/FS Work Plan.
Implementation of RI	Within 15 days of receipt of DEQ approval; NWNG shall complete work according to the schedule specified in the approved Work Plan.
RI Letter Report	To DEQ within 30 days of completion of RI and receipt of laboratory data. Data shall be validated and any unusable data identified. Shall include a recommendation whether additional phases are required; format to be mutually agreed upon by DEQ and NWNG.
DEQ review and comments	To NWNG within 15 days of receipt.
Subsequent Phase Work Plan Addenda	If it is mutually determined by DEQ and NWNG that additional phases are required, NWNG shall submit a Work Plan Addendum according to a format and schedule agreed upon between the parties prior to starting each phase of the Remedial Investigation, the Endangerment Assessment and the Feasibility Study.
DEQ review and comment	To NWNG within 21 days of receipt of each Work Plan Addendum.

Subsequent Phase RI Letter Reports

Within 30 days of completion of subsequent phases of the RI work, NWNG shall issue additional Phase \_\_\_ RI Letter Reports which summarize the RI work to date and include a recommendation whether additional phases are required.

DEQ review and comment

To NWNG within 15 days of receipt of the Letter report for each phase of the RI.

Draft RI Report Outline

To DEQ within 30 days of receipt of DEQ's comments on the final phase of the RI work and receipt of all laboratory data; the outline will provide a table of contents and a list of figures and tables.

DEQ Review and Comment

To NWNG within 15 days of receipt.

Draft RI Report

To DEQ within 60 days of receipt of DEQ's comments; the draft RI report will include a draft Endangerment Assessment, summarize all RI work to date and respond to all DEQ comments to-date.

DEQ review and comments

To NWNG within 45 days of receipt of the Draft RI Report.

Final RI Report

To DEQ within 30 days of receipt of DEQ comments.

Review and approval

To NWNG within 30 days of receipt of an approvable RI Report.

Draft FS Report

To DEQ within 60 days of DEQ approval of the Final RI Report.

DEQ review and comments

To NWNG within 45 days of receipt of the Draft FS report

Final FS Report

To DEQ within 30 days of receipt of DEQ's comments

DEQ review and approval

To NWNG within 30 days of receipt of an approvable FS Report

II. RI/FS PROPOSAL

The RI/FS Proposal will be a brief discussion of NWNG's proposed approach to the RI/FS, addressing soil, groundwater, surface water, sediments, and air. The proposal will provide the framework for the RI/FS Work Plan and will include the following, assuming a phased approach:

- A. A summary of site-specific issues and a review of the results of previously completed work;
- B. A general description of each proposed phase, including the goals and objectives of each;
- C. Phase I sample locations, depths, proposed analytical methods, and the rationale for each (include map); and

- D. The estimated schedule for implementation of Phase I and subsequent phases if necessary.

### III. REMEDIAL INVESTIGATION WORK PLAN

The RI Work Plan shall be based on the Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA, OSWER Directive 9355.3-01, 1988, and developed in accordance with OAR 340-122-080.

The Work Plan shall include, but not be limited to the following items:

#### A. PROJECT MANAGEMENT PLAN

1. A proposed schedule for submittals and implementation of all proposed activities.
2. A description of the personnel involved in the project, including their qualifications to do the proposed work.

#### B. SITE DESCRIPTION

A description of facility operations shall include, but not be limited to, the following:

1. A list of chemical products used on-site currently and historically.
2. The estimated volume of waste disposed of on-site and/or discharged off-site.
3. Time and volume of known spills.
4. A description of past and present waste treatment/disposal practices and areas.
5. The location of past and present raw material and finished product storage areas.
6. The approximate time periods for past operational, treatment, storage, disposal, and/or discharge practices where hazardous substances were involved relative to this investigation.

#### C. SITE CHARACTERIZATION PLAN

##### 1. Soils

Objective: To identify releases of hazardous substances to soils and to assess the nature and extent of soil contamination.

Scope: The plan shall address all areas which could potentially have received spills, leaks from tanks or piping, been used for waste treatment, storage, or disposal, or have been affected by contaminated surface water or storm water runoff, and all other areas where soil contamination is known or suspected, to the extent necessary for DEQ to select a remedy for the site.

Procedures: The sampling program shall supplement previous soil

sampling at the facility. At a minimum, the plan shall include, but not be limited to, the following:

- a. The proposed location of soil borings including;
  - i. Depth of borings
  - ii. Sampling interval
  - iii. Sample collection methods
  - iv. Analytical parameters
  - v. Method to determine background concentrations for each parameter
  - vi. Rationale for each of the above
- b. Provisions for describing soil boring samples, to include:
  - i. The soil type according to the ASTM D 2487-85, Classification of Soils for Engineering Purposes, and
  - ii. Soil color, structure, texture, mineral composition, moisture, and percent recovery according to ASTM D 2488-84, Description and Identification of Soils (Visual-Manual Procedures)
  - iii. Other relevant characteristics such as visual identification of contamination, odor, and detection of vapors by use of field screening instruments such as HNU, OVA or other equivalent type equipment, and as described by a qualified geologist or geotechnical engineer.

## 2. Groundwater

Objective: To identify releases of hazardous substances and characterize the lateral and vertical extent of these releases to groundwater

Scope: The plan shall supplement previous investigations at the facility and shall identify releases of hazardous substances to groundwater, and shall also characterize the vertical and lateral extent of groundwater contamination, both on-site and migrating off-site to the extent necessary for DEQ to select a remedy for the site.

Procedures: The sampling program shall supplement previous groundwater sampling at the facility. At a minimum, the plan shall include, but not be limited to, the following:

- a. Well installation plan to include:
  - i. Proposed well locations.

- ii. Proposed well depths.
  - iii. Length of proposed screened intervals.
  - iv. Proposed drilling methods.
  - v. Proposed construction materials and installation methods.
  - vi. Proposed well development and completion methods.
  - vii. Proposed sample collection methods
  - viii. Proposed analytical parameters
  - ix. Proposed method to determine background concentrations of each parameter
  - x. Proposed schedule for sampling all monitoring wells
- b. Hydrologic characterization proposal to include:
- i. Provisions to collect and describe formation materials during drilling. NWNG may consider obtaining continuous cores and using borehole geophysics to supplement coring.
  - ii. A plan to characterize the hydrogeology including a description of:
    - (a) stratigraphy
    - (b) structural geology
    - (c) depositional history
    - (d) regional ground-water flow patterns
  - iii. A plan to describe the hydrogeologic properties of affected hydrogeologic units found at the site, and additional units as necessary to complete the RI/FS, including:
    - (a) hydraulic conductivity
    - (b) porosity
    - (c) lithology
    - (d) hydraulic interconnections between saturated zones
  - iv. Plans to identify the following for each affected aquifer, and additional aquifers as necessary to complete the RI/FS:
    - (a) A description of ground-water flow direction.
    - (b) Identification of vertical and horizontal gradient(s).
    - (c) Interpretation of the flow system including the rate (horizontal and vertical) of groundwater flow, and including seasonal variations.



- v. A plan to describe surface and subsurface features, characteristics, and interrelationships with a potential to influence groundwater flow patterns at the site, including:
  - (a) Identification of pumping groundwater wells, past and present.
  - (b) Influences of rivers, streams, and ditches.
  - (c) Influences of ponds and lakes.
  - (d) Identification of areas of recharge/discharge.
- c. A plan to conduct a well inventory to identify all active and inactive water wells within a one-mile radius of the facility, to include, as necessary:
  - i. Identification of all wells listed with the Oregon Water Resources Department and field confirmation of their location
  - ii. A door-to-door field survey to identify wells for which no logs are on file
  - iii. For all located wells, to the extent practicable, identify:
    - (a) Owner
    - (b) Address
    - (c) Map location
    - (d) Driller
    - (e) Date drilled
    - (f) Depth
    - (g) Casing and screen material, depths and intervals
    - (h) Seal types, depths and intervals
    - (i) Static water levels
    - (j) Approximate land surface elevation
    - (k) Reported water quality and use of well
  - iv. A plan to sample those private wells identified above which, based on the available hydrogeological information, may be at greatest risk of contamination.

### 3. Surface Water and Sediments

**Objective:** The Work Plan shall include a plan to identify and evaluate releases of hazardous substances to surface water, including their sediments.

**Scope:** The plan shall supplement previous investigations at the facility and shall identify all past, existing, and potential impacts to surface waters from the identified release to the extent necessary for DEQ to select a remedy for the site.

**Procedures:** The sampling program shall supplement previous surface water and sediment sampling at the facility. At a minimum, the plan shall include but not be limited to,

the following:

- a. A delineation of past and present surface drainage patterns at the site.
- b. Proposed sampling points in past and current surface drainages.
- c. Proposed sample collection methodology.
- d. Proposed analytical parameters
- e. Proposed method for determining background values for all parameters.
- f. A rationale for each of the above.

4. Air

Objective: To identify and characterize the release of hazardous substances to the air from unregulated sources at the facility.

Scope: The air assessment plan shall supplement previous investigations at the facility and shall be designed to determine if unregulated air emissions from the site threaten human health or the environment.

Procedures: The sampling plan shall supplement previous air sampling at the facility. At a minimum, the plan shall include, but not be limited to, the following:

- a. Proposed sample locations
- b. Proposed analytical parameters
- c. Proposed sample collection methods
- d. Methodology for determining background values for each parameter
- e. Rationale for each of the above

D. SAMPLING AND ANALYSIS PLAN (SAP)

Objective: To adequately document all sampling and analysis procedures.

Scope: The SAP shall be sufficiently detailed to function as a manual for field staff. In preparation of the SAP, the following guidance documents shall be utilized: Data Quality Objectives for Remedial Response Activities, EPA/540/G-87/004 (OSWER Directive 9355.0-7B), March, 1987; Test Methods for Evaluating Solid Waste, SW-846; and A Compendium of Superfund Field Operations Methods, EPA/540/P-87/001 (OSWER Directive 9355.0-14), December, 1987. The SAP shall address all topics listed in Policy #760.000, Quality Assurance Policy.

Procedures: The Work Plan shall include a SAP for all sampling activities. The SAP shall include, at a minimum:

1. Proposed analytical parameters and rationale.
2. Description of sample collection methods, sampling equipment, and sample handling procedures.
3. Quality assurance and quality control procedures for both field and lab procedures, including a data quality objectives plan.
4. Chain of custody procedures.
5. Analytical methods for each parameter.
6. A methodology for determining background concentrations for all detected contaminants.
7. A methodology for determining statistically significant increases in concentrations for the sampling parameters.

**E. HEALTH AND SAFETY PLAN (HASP)**

The Health and Safety Plan shall:

1. Describe the known hazards and risks.
2. Identifying levels of protective clothing and equipment to be worn.
3. Describe decontamination procedures.
4. Identify any special requirements or training needs.
5. Provide a contingency plan for emergencies.

An existing Health and Safety Plan can be included by reference, if it adequately includes the above items.

**F. ENDANGERMENT ASSESSMENT WORK PLAN**

The Endangerment Assessment portion of the Work Plan shall be developed based on the *Risk Assessment Guidance for Superfund - Human Health Evaluation Manual Part A*, United States Environmental Protection Agency, Interim Final, July 1989, (RAGS-HHEM); *Risk Assessment Guidance for Superfund Volume II - Environmental Evaluation Manual (EEM)*, United States Environmental Protection Agency, Interim Final, March 1989; *EPA Region 10, Supplemental Risk Assessment Guidance for Superfund*, United States Environmental Protection Agency, August 1991, (SRAGS); and, *Human Health Evaluation Manual, Supplemental Guidance: "Standard Default Exposure Factors"*, United States Environmental Protection Agency, March 1991, (HHE-SG).

**1. Human Health Evaluation**

**Objective:** The human health evaluation (HHE) is an analysis of the potential adverse health effects caused by hazardous substance release(s) from a site in the absence of any actions to control or mitigate these releases (i.e., under an assumption of no action). It is used to document the magnitude of the potential risk at a site and to evaluate the cause(s) of that risk. It is also

used to support risk management decisions, and to set remediation goals, if necessary.

**Scope:** This section shall describe the different tasks involved in preparing the HHE portion of the endangerment assessment. A suggested outline for the human health evaluation is given in Exhibit 9-1 of the RAGS-HHEM. The Work Plan should use this outline as a framework for discussing the methodologies and assumptions to be used in assessing the potential human health risks at the site.

The HHE shall include an estimate of the reasonable maximum exposure (RME) expected to occur under both current and future land use conditions. Guidance on quantifying the RME is given in Chapter 6 of the RAGS-HHEM, SRAGS, and HHE-SG. Quantifying the potential risks associated with the RME shall be the overall goal of the Endangerment Assessment.

The Work Plan should include, but not be limited to the following:

- a. A conceptual site model for the site. This model should be an iterative flow chart based on available site information showing contaminant sources, release mechanisms, transport routes and media, potential receptors, and other important information as appropriate. Iterations of this model shall be carried through the work plan and the endangerment assessment as additional information is generated. Exhibit 4-1 of the RAGS-HHEM presents an example of a conceptual site model.
- b. The exposure parameters for the RME based on both current and future land use scenarios.
- c. A list of all chemicals identified at the site (by media).
- d. The analytical methods used during the site investigation, and the method detection limits that were used for all analytes. In addition, an explanation of how non-detect values and qualified data will be used to estimate exposure point concentrations should be provided.
- e. The rationale for selecting chemicals that will be carried through the HHE.
- f. A discussion of how the fate and transport of site-related chemicals will be evaluated. In addition, a description of the fate and transport model that will be used to estimate the potential infiltration (or contribution) of chemicals in soil to ground water should be included.
- g. A summary table of the chemicals found, and their respective critical toxicity values (reference doses - RfDs), slope factors, and other relevant critical toxicity factors) and citations for these values; data on absorption factors that will be used (e.g., dermal absorption factors) should also be included.

- h. The exposure points and exposure point concentrations to be used in the HHE (and/or how they will be estimated). A description of the model(s) that will be to estimate exposure point concentrations should be provided, if necessary.
- i. An explanation of how the uncertainty analysis will be conducted.

## 2. Environmental Evaluation

**Objective:** The environmental evaluation (EE) provides an assessment of the potential threat to ecological populations, communities or ecosystems in the absence of any remedial action. It can provide a basis for determining whether or not remedial action is necessary, and can also be used to support risk management decisions.

**Scope:** The EE and the HHE are parallel activities used in the evaluation of hazardous substance sites. Much of the data and analyses relating to the nature, fate, and transport of a site's contaminants can be used for both evaluations. Available data (from the HHE or previous investigations) can be utilized, whenever appropriate, and additional data should be generated whenever necessary in order to conduct the ecological assessment.

The EE shall follow the organization presented in Chapter 6 of the EEM, as applicable. The Work Plan shall discuss the different tasks involved in evaluating whether or not the potential ecological impacts of the contaminants at a site warrant remedial action.

The Work Plan should include, but not be limited to the following:

- a. A list of all chemicals identified at the site (by media). The HHE can be referenced, if appropriate.
- b. The rationale for selecting chemicals that will be carried through the EE.
- c. A description of the site and study area. A description of how the EE will account for the ecosystems and populations potentially exposed to chemicals at the site (e.g., a description of the habitat and lists of species either collected or observed), and how they will be evaluated should be included.
- d. A discussion of how the fate and transport of site-related chemicals will be evaluated (through both physical and biological means). The HHE can be referenced, if and/or where appropriate.
- e. The exposure points and exposure point concentrations that will be used in the EE (and/or how they will be estimated). A discussion of actual or potential exposure pathways (and the media involved) should also be included.
- f. A description of how the potential environmental impacts or threats will be characterized. This should include

a description of the ecological endpoints that will be considered measurements of potential impact or probability of potential impact (e.g., Water Quality Criteria).

- g. An explanation of how the uncertainty analysis will be conducted.

#### G. FEASIBILITY STUDY WORK PLAN

The Feasibility Study portion of the Work Plan shall be developed in accordance with OAR 340-122-080 and Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA, OSWER Directive 9355.3-01, 1988. The Feasibility Study shall develop an appropriate range of alternatives which meet the standards listed in OAR 340-122-040, and 340-122-090. The Feasibility Study shall be developed in parallel with Remedial Investigation activities.

**Objective:** To present an outline of the Feasibility Study process and identify potential remedial alternatives in order to obtain sufficient analytical data during the RI.

**Scope:** The purpose of the Feasibility Study is to develop and evaluate remedial alternatives for each contaminated medium, and recommend remedial actions to be taken at the facility

**Procedures:** A Work Plan shall be submitted which will include, but not be limited to the following:

1. A description of any interim remediation activities which have been implemented to date and the relationship of the interim measures to the ultimate corrective action.
2. The remedial action objectives.
3. A discussion of how volumes or areas of media to which response actions may be applied will be identified.
4. A discussion of how screening criteria will be developed to identify and select treatment technologies and process options.
5. A description of how process options will be evaluated.
6. The criteria for and selection of remedial action alternatives.
7. A preliminary screening of remedial technologies and alternatives based on available data.

#### H. MAPS

The Work Plan shall include maps of the facility which clearly show:

1. Site topography and surface drainage.
2. On-site structures, including tanks, sumps, catch basins, utilities, and pipelines.

3. The location of past spills, disposal areas, and all other waste and product management areas.
4. All pertinent structures adjacent to or nearby the site such as drainage ditches, pipelines, roadways, wells and utility corridors.
5. The location of all existing and proposed surface soil sample points, soil borings, monitoring wells, surface drainage, sediment, surface water, and air sample points.
6. The locations of hydrogeologic cross-sections.
7. The drawing date, orientation, and scale.

#### IV. REPORTS

- A. **MONTHLY REPORTS:** Monthly reports shall be submitted to DEQ by the 10th day of the month following the reporting period. These reports shall include, but shall not be limited to, the following:
  1. Activities that occurred during the past month.
  2. Description of data results collected during the past month.
  3. Description of any problems or difficulties experienced during the past month.
  4. Description of activities planned for the coming month.
- B. **LETTER REPORTS:** Letter Reports are to be submitted to DEQ within 30 days following the completion of each phase of the remedial investigation. These reports shall include, but shall not be limited to, the following:
  1. Introduction.
  2. Summary of work completed to date.
  3. A presentation of all data collected during the investigation.
  4. Conclusions and recommendations.
- C. **REMEDIAL INVESTIGATION REPORT:** The results of the Remedial Investigation shall be submitted to the DEQ as draft and final report in accordance with the following format:
  1. Executive Summary
  2. Introduction
    - a. Purpose
    - b. Report Organization
  3. Site Background
    - a. Site Description
      - i. Location

- ii. Physical features such as building, roads, utilities, wells, etc., include map
    - iii. Site History
  - b. Facility Operations
    - i. Past production processes, waste identification, location of hazardous materials handling and storage areas
    - ii. Location, time, volume of releases of hazardous substances, include map
    - iii. Past and present waste treatment/disposal practices and areas
  - c. Site Setting
    - i. Regional land use and history
    - ii. Geology
    - iii. Hydrogeology
    - iv. Surface water
    - v. Climatology
  - d. Previous Investigations
    - i. Summary of previous investigations
    - ii. List of reports referenced
- 4. Study Area Investigation
  - a. Soil
    - i. A map and description of the location of soil borings or surface samples including depth of borings, sampling interval, sampling methods, analytical parameters, analytical methods, as well as quality assurance and quality control procedures
    - ii. Description of soil samples; all boring and lithologic logs
    - iii. A map showing the locations of hydrogeologic cross-sections
    - iv. An evaluation and analysis of all data submitted; use tabular and graphic presentation; include discussion of data limitations
  - b. Groundwater
    - i. The well installation plan including well locations (provide map), well depth, length of



screened intervals, drilling methods, construction materials, and installation methods, well development and completion methods

- ii. All boring and lithologic logs; including well construction diagrams with surveyed location, elevation of top of casing, size and depth of well, screened interval
- iii. A characterization of the hydrogeology including a description of formation materials, the hydrogeology, and hydrogeologic properties of each pertinent aquifer
- iv. A description of the hydraulic influence from groundwater wells, and surface water bodies
- v. All areas of recharge/discharge
- vi. Results of the well inventory to identify all active and inactive water wells within a one-mile radius of the facility
- vii. Results and data analysis including data limitations; tabular and graphic presentations

c. Surface Water and Sediments

- i. A map with all relevant surface water bodies within 2 miles of the site
- ii. A map with past and present surface drainage patterns and the stormwater collection system
- iii. A map with all sample locations
- iv. Results and data analysis including data limitations; tabular and graphic presentations

d. Air

- i. A wind rose and discussion of predominant wind direction
- ii. A map indicating all sample locations and elevations of sample points
- iii. Results and data analysis including data limitations; tabular and graphic presentations

5. Summary and Conclusions

- a. A discussion of the nature and extent of contamination; discuss the data limitations
- b. A discussion of the fate and transport of the contaminants of concern
- c. Recommendations for further action

As part of the Remedial Investigation Report to DEQ, NWNG may incorporate existing data, reports or information, including data from any investigation activity conducted prior to the effective date of this Agreement, to the extent that such data is consistent with the procedures and quality assurance/quality control criteria approved by DEQ.

- C. **ENDANGERMENT ASSESSMENT REPORT:** The results of the Endangerment Assessment shall include the Human Health Evaluation and the Environmental Evaluation and shall follow the report formats described in the references cited in IV.F. of this Scope of Work. Any data limitations shall be noted in the report. If information is presented in sections of the RI Report, these may be referenced.
- D. **FEASIBILITY STUDY REPORT:** The results of the Feasibility Study shall be submitted to DEQ in a report which, at a minimum, includes a full evaluation of remedial action alternatives, giving a workable number of options which each appear to adequately address site problems and remedial action objectives. These alternatives shall include a no action option, at least one option which will achieve background, and at least one option which will achieve protection of public health, safety, and welfare and the environment. The report shall present the following for each alternative:
1. Description of the remedial action alternative, estimated cost, and rationale for selection.
  2. Performance expectation (i.e., reductions in contaminant concentration levels), reliability, and ability to implement.
  3. Design criteria and rationale.
  4. General operation and maintenance requirements.
  5. Monitoring program to assure both short-term and long-term performance of the alternative.
  6. Financial assurance mechanism to assure performance.
  7. Estimated time for implementation.
  8. Evaluation of the short-term and long-term effectiveness and risks of the alternative.
  9. Recommendation and justification of the remedial action selected from the developed alternatives.
  10. A schedule for implementation of the proposed remedial action.

RECEIVED

DEC 20 1999

KOPPERS INDS, INC.  
PORTLAND OR

Koppers012480

**HAHN AND ASSOCIATES, INC.**  
ENVIRONMENTAL MANAGEMENT

**RECEIVED**

DEC 14 1999

December 14, 1999

Mr. Eric Blischke  
Department of Environmental Quality  
Voluntary Cleanup and Site Assessment Section  
811 SW 6th Avenue  
Portland Oregon 97204

**KOPPERS INDS, INC.**  
**PORTLAND OR**

HAI Project #2708

SUBJECT: Proposed Assessment Plan, Above-Ground Storage Tank Support Pilings,  
Koppers Lease Area, Northwest Natural-Gasco Facility, 7900 NW St. Helens Road,  
Portland, Oregon

Dear Mr. Blischke:

In correspondence dated October 1, 1999 (Blischke to Hart), you requested that Northwest Natural prepare a plan to assess the source of high benzene and polynuclear aromatic hydrocarbon (PAH) concentrations identified in monitoring well MW-15-50, installed within the upper portion of the Alluvial Sand water bearing zone (WBZ) immediately down-gradient of pilings recently installed to the bedrock surface to support Koppers new coal tar pitch above-ground storage tank.

As indicated in your letter of October 1, 1999, you stated that the identification of contamination at the MW-15-50 well location is indicative that contaminants were either dragged down with the recently installed pilings or that a conduit was opened up through which contaminants from the Surficial Fill WBZ may now migrate to the underlying Alluvial Sand WBZ.

Although piling-induced contamination within the Alluvial Sand WBZ, as described above, is a possibility, sufficient data do not exist at this time to support this conclusion with sufficient certainty. For example, since we do not have the benefit of baseline data, it is similarly possible that the contamination identified within the MW-15-50 well was pre-existing.

Based on the uncertainty related to the contaminant release mechanism, the objective of the assessment plan described herein is to allow the determination of the source for the elevated contaminant concentrations identified at the MW-15-50 monitoring well location. Specifically, a determination must be made as to whether these impacts: (1) pre-date the installation of tank foundation pilings; (2) are the result of limited piling drag-down of shallow contamination into the Alluvial Sand WBZ; or (3) are the result of the pilings acting as an on-going conduit for the continued migration of shallow contamination into the Alluvial Sand WBZ. The preceding determination will be necessary in order to evaluate whether tank installation procedures have exacerbated existing contamination at the site.

In order to make the preceding determination, it is proposed that monitoring wells MW-15-50, MW-15-66, and MW-14-110 (all down-gradient of the foundation pilings) be monitored on a quarterly sampling frequency as proposed in prior correspondence dated October 28, 1999 (Ede to Blischke). The proposed monitoring will allow for identification of concentration trends at these three wells, thereby providing the necessary data to determine the type/mechanism of the contaminant source currently identified at the MW-15-50 location and/or to evaluate whether other investigative techniques will be necessary to make this determination.

Proposed Assessment Plan: Koppers Above-Ground Storage Tank  
Northwest Natural - Gasco Facility  
7900 NW St. Helens Road  
Portland, Oregon

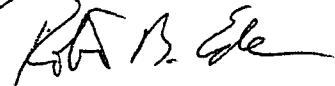
Page 2 of 2  
Project #2708  
December 14, 1999

If contaminant concentrations continue to decline at both the MW-15-50 and MW-15-66 locations, then it can be concluded that contaminant drag-down was the likely source and that only further monitoring is necessary. However, if concentrations increase or stay the same at well MW-15-50, then further evaluation, likely involving the collection of depth-discrete groundwater samples at various locations, will likely be recommended.

Based on the preceding, it is proposed that water quality trends at the referenced wells be evaluated to make a determination as to contaminant source mechanism after completing data collection activities for the period of one year (i.e., until August 2000). Once this determination is made, it is expected that DEQ will then issue a decision regarding the removal of the current moratorium on further tank construction activities at the site.

If there are any comments or questions, please contact either the undersigned.

Sincerely,



Robert Ede  
Sr. Project Manager

c: Ms. Sandra Hart, Northwest Natural  
✓ Mr. Amos Kamerer, Koppers Industries  
Mr. Richard Bach, Stoel Rives, LLP  
Mr. Tom Schadt, Anchor Environmental LLC

Screens 10'

50' - 50' to 40'

66' - 66' to 56'

Carbon

PAH

95 PPM

18 PPM

9 PPM

.7 PPM

Time to review data before accepting a 2<sup>nd</sup> tank  
At least a YEAR, MINIMUM. June 2000.

ODEQ - Harbor wide is the 'big picture' issue  
concerns of doing anything that would exacerbate  
any thing

Letter - "Saber Rattling"

- \* Alternate construction methods for the second tank.
- \* ~~Schedule for the 2<sup>nd</sup> tank~~
- \* call Rob re surveying the well heights.

## FAX TRANSMITTAL

KOPPERS INDUSTRIES, INC.  
7540 NW SAINT HELENS RD.  
PORTLAND, OR 97210-3663

TELEPHONE: 503-286-3681  
FAX: 503-285-2831

TO: J. Dietz, K-1650  
T. Self, K-1800  
B. Meisinger, HTC  
FROM: Amos Kameron  
SUBJECT: ODEQ Wells

DATE:  
10/05/99

TOTAL # OF  
PAGES: 3

The attached is self-explanatory, with the ODEQ flexing their mussels! This pretty much cover's what I had advised earlier about the first sample results. I talked to Rob Ede at Hahn and Assoc., Rob said that he would be responding to Eric with the requested plan, in the next couple of weeks. Rob feels that it will take at least a year, 4 more samples, before any meaningful data will be developed, as to what, if anything, has happened as a result of our new piles.

I will forward Rob's response when received.

Amos

*cc: M. Cilley, Stickney*

IF THIS TRANSMITTAL IS RECEIVED IN ERROR, PLEASE ADVISE.

Koppers012484



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

811 SW Sixth Avenue  
Portland, OR 97204-1390  
(503) 229-5696  
TDD (503) 229-6993

October 1, 1999

Ms. Sandra Hart  
Senior Engineer  
Northwest Natural  
220 N.W. Second Avenue  
Portland, OR 97209

RE: Preliminary Results of Groundwater  
Monitoring Downgradient of Tank Location,  
Koppers Lease Area – Former GASCO site.

Dear Sandi:

As you are aware, 208 support pilings were driven to bedrock as part of the installation of a pencil pitch storage tank at the Koppers Lease Area at the former GASCO site. The pilings penetrated an area of tar contamination present in the form of a dense non-aqueous phase liquid (DNAPL). Following installation of the support pilings, two monitoring wells were installed downgradient of the pencil pitch storage tank. One monitoring well, MW-15-50, is screened immediately below a silt unit that has, at previously investigated locations in the plant site area, acted as a barrier to contaminant migration. The second monitoring well, MW-15-66, is screened just above the basalt/alluvium interface. The purpose of the monitoring wells is to determine whether the tank installation could exacerbate existing contamination at the former GASCO facility.

Monitoring wells MW-15-50 and MW-15-66 were sampled in July 1999. MW-15-66 was resampled as part of quarterly groundwater monitoring at the GASCO facility in August 1999. Preliminary results obtained from MW-15-50 reveal high concentrations of benzene (95.1 mg/l), naphthalene (8.5 mg/l) and acenaphthylene (9.7 mg/l) in groundwater. These concentrations indicate that free phase product is present in the vicinity of MW-15-50. Groundwater concentrations detected in groundwater collected from MW-15-66 are only slightly above detection limits.

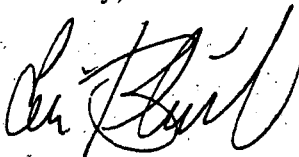
A preliminary analysis of the groundwater data suggests that free product has penetrated the silt unit in the vicinity of the pencil pitch storage tank location. Based on the low concentrations of contamination detected in MW-15-66, it appears that the contamination detected in MW-15-50 was not present prior to the installation of the support pilings. However, it is not clear at this time whether the migration of contamination through the silt units occurred as a result of contaminant dragdown during pile installation or indicates that the support pilings have created a conduit that will allow continued migration of free phase product through the silt unit and into the alluvial zone.

Ms. Sandra Hart  
October 1, 1999  
Page 2

Until it can be demonstrated existing conditions have not been exacerbated due to the installation of support pilings, DEQ will not approve the installation of any subsequent storage tanks. DEQ requests that Northwest Natural develop a plan to assess the source of the high concentrations of benzene, naphthalene and acenaphthylene detected in monitoring well MW-15-50. The plan should present an approach to determine whether the observed contamination is associated with the installation of the support pilings and whether a conduit for ongoing migration of free phase product through the silt unit and into the alluvial zone has been created.

If you have any questions in this matter, please contact me at 229-5648.

Sincerely,



Eric L. Blischke  
Project Manager  
Waste Management and Cleanup Division

cc: Mike Rosen, NWR/DEQ  
Rod Struck, NWR/DEQ  
Amos Kamerer, Koppers Industries

**RECEIVED**

OCT 05 1999

KOPPERS INDS, INC.  
PORTLAND OR

Koppers012486

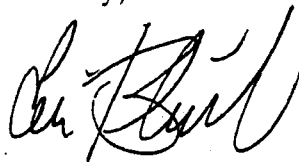


Ms. Sandra Hart  
October 1, 1999  
Page 2

Until it can be demonstrated existing conditions have not been exacerbated due to the installation of support pilings, DEQ will not approve the installation of any subsequent storage tanks. DEQ requests that Northwest Natural develop a plan to assess the source of the high concentrations of benzene, naphthalene and acenaphthylene detected in monitoring well MW-15-50. The plan should present an approach to determine whether the observed contamination is associated with the installation of the support pilings and whether a conduit for ongoing migration of free phase product through the silt unit and into the alluvial zone has been created.

If you have any questions in this matter, please contact me at 229-5648.

Sincerely,



Eric L. Blischke  
Project Manager  
Waste Management and Cleanup Division

cc: Mike Rosen, NWR/DEQ  
Rod Struck, NWR/DEQ  
Amos Kamerer, Koppers Industries

Post-it® Fax Note 7671		Date 11/18/99	# of pages 2
To Traci Self	From Amos		
Co./Dept.	Co.		
Phone #	Phone #		
Fax #	Fax #		

RECEIVED

OCT 05 1999

KOPPERS INDS. INC.  
PORTLAND OR

Koppers012487

# Notice of Plan Completion

*This form is for reporting year 2003. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act", TUHWR Questions and Answers, and to the Act and regulations for information on planning requirements.*

Name of Company: KOPPERS INC

Physical Address: 7540 NW ST HELENS RD, PORTLAND, OR 97210

Mailing Address: KOPPERS INC, 7540 NW SAINT HELENS ROAD, PORTLAND, OR 97210-3663

Contact Person: T. J. Turner Title: General Foreman

Phone Number: (503) 286-3681 E-Mail Address: turnertj@koppers.com

TRI ID#: 97210KPPRS7540N DEQ ID#: ORD027734359



State of Oregon  
Department of  
Environmental  
Quality

Toxics Use/Waste  
Reduction Assistance  
Program  
811 SW 6th Avenue  
Portland, OR 97204  
Phone: (503)229-5181  
Fax: (503)229-6977  
Contact: David Livengood  
[www.deq.state.or.us/  
wmc/tuwrap](http://www.deq.state.or.us/wmc/tuwrap)

I certify that the facility identified on this form has completed a Reduction Plan, as required under Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act, and that this Plan is kept on site.

Name of Senior Manager or Business Owner: T. J. Turner

Signature: T. J. Turner

Date: 8-30-04

Return form by September 1, 2004 to: DEQ - HWPPD - TU/WRAP  
811 SW Sixth Avenue  
Portland, OR 97204

cc: T. Self

FAX: 8/30/04

# Reason for Not Preparing Pounds Report

This form is for reporting year 2003. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction (TUHWR) Act", TUHWR Questions and Answers, and to the TUHWR Act and regulations to clarify when not to prepare a Pounds Report.

Name of Company: KOPPERS INC

Physical Address: 7540 NW ST HELENS RD, PORTLAND, OR 97210

Mailing Address: KOPPERS INC, 7540 NW SAINT HELENS ROAD, PORTLAND, OR 97210-3663

Contact Person: T. J. Turner Title: General Foreman

Phone Number: (503) 286-3681 E-Mail Address: turnertj@koppers.com

TRI ID#: 97210KPPRS7540N DEQ ID#: ORD027734359



State of Oregon  
Department of  
Environmental  
Quality

Toxics Use/Waste  
Reduction Assistance  
Program

811 SW 6th Avenue  
Portland, OR 97204  
Phone: (503)229-5181  
Fax: (503)229-6977  
Contact: David Livengood  
www.deq.state.or.us/  
wmc/tuwrap

I do not prepare a Pounds Report under the Toxics Use Reduction and Hazardous Waste Reduction (TUHWR) Act since the facility: (check one box)

- ☐ Manufactures the toxic substance as a product.
- ☒ Generates the hazardous waste solely as a result of remedial cleanup activities.

I certify the above information is correct:

Name of Senior Manager or Business Owner: T. J. Turner

Signature: T. J. Turner

Date: 8-30-04

Return form by September 1, 2004 to:

DEQ - HWPPD TUWRAP  
811 SW Sixth Avenue  
Portland, OR 97204

cc: T. Self  
FAX: 8/30/04



# Oregon

Theodore Kulongoski, Governor

## Department of Environmental Quality

### Headquarters

811 SW Sixth Avenue  
Portland, OR 97204-1390  
(503) 229-5696  
FAX (503) 229-6124  
TTY (503) 229-6993

August 5, 2004

HW:TURHWFC

Hazardous Waste Coordinator  
Koppers Inc  
7540 NW Saint Helens Road  
Portland, OR, 97210-3663

AUG 13 2004

RE: Report(s) due September 1, 2004

Oregon's 1989 Toxics Use Reduction and Hazardous Waste Reduction (TUHWR) Act was one of the first State laws to promote pollution prevention through facility-wide planning. Since its passage, businesses throughout the State have successfully employed the law's planning requirements to reduce their use of toxic chemicals and generation of hazardous wastes. We are writing to inform you that our records indicate your facility is subject to TUHWR Act's planning and/or reporting requirements.

The planning and reporting requirements apply to certain businesses, industrial facilities, government agencies and institutions categorized as:

- **Small Quantity Generators** are facilities that generate between 220 and 2,200 pounds of hazardous waste in a calendar month. These facilities must prepare a *Reduction Plan*, submit to DEQ a *Notice of Plan Completion*, and keep them on site.
- **Large Quantity Generators** are facilities that generate more than 2,200 pounds of hazardous waste or more than 2.2 pounds of acutely hazardous waste in a calendar month. These facilities must prepare a *Reduction Plan*, submit to DEQ both a *Notice of Plan Completion* and a *Pounds Report*, and keep them on site.
- **Large Users** - users of toxic chemicals who are required to report under the federal Toxics Release Inventory program (Section 313 of the Emergency Planning and Community Right-to-Know Act). These facilities must prepare a *Reduction Plan*, submit to DEQ both a *Notice of Plan Completion* and a *Pounds Report*, and keep them on site.

If your facility is in one of the above categories, you must send DEQ the associated form(s) applicable to your specific category. The planning or reporting requirements may not apply to some facilities, and you may be able to claim an exemption. If you believe your facility is not subject to the TUHWR requirements, please complete the *Reason for Not Preparing Plan* form or the *Reason for Not Preparing Pounds Report*. This information will help us avoid sending

*We don't qualify for the TRI Reporting! Not enough employees  
or hours worked*



Koppers012490

you unnecessary paperwork in the future. The due date for returning these forms to DEQ is: **September 1, 2004.**

**Please submit your form(s) to:** **DEQ HWPPD TUWRAP**  
**811 SW Sixth Ave**  
**Portland, OR 97204**

Please check your mailing address. If it is incorrect, please make corrections on the form(s) you return to DEQ.

If you would like to learn more about the TUHWR exemptions, planning and reporting requirements, or how to request free technical assistance, please read the enclosed fact sheet. If you want to obtain additional copies of forms and more specific information, please visit DEQ's web site at [www.deq.state.or.us/wmc/tuwrap.html](http://www.deq.state.or.us/wmc/tuwrap.html) and click on the TUHWR Reporting Fact Sheet & Forms link. If you believe that our records are incorrect or just have questions about the requirements, please contact your nearest technical assistance provider or call me at 503-229-5181 or e-mail [livengood.david@deq.state.or.us](mailto:livengood.david@deq.state.or.us). Thank you in advance for helping us implement the TUHWR Program.

Sincerely,



David Livengood  
Toxics Use & Waste Reduction Assistance Program  
Coordinator

Enclosures

1. Reporting Forms: NPC APR
2. *Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act Fact Sheet*



# Reason for Not Preparing Plan

*This form is for Reporting Year 2003. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act", TUHWR Questions and Answers, and to the Act and regulations for information on planning requirements.*

Name of Company: KOPPERS INC

Physical Address: 7540 NW ST HELENS RD, PORTLAND, OR 97210

Mailing Address: KOPPERS INC, 7540 NW SAINT HELENS ROAD, PORTLAND, OR 97210-3663

Contact Person: AMOS S KAMERER Title: PLANT MANAGER

Phone Number: (503) 286-3681 E-Mail Address: \_\_\_\_\_

TRI ID#: 97210KPPRS7540N DEQ ID#: ORD027734359



State of Oregon  
Department of  
Environmental  
Quality

Toxics Use/Waste  
Reduction Assistance  
Program  
811 SW 6th Avenue  
Portland, OR 97204  
Phone: (503)229-5181  
Fax: (503)229-6977  
Contact: David Livengood  
[www.deq.state.or.us/  
wmc/tuwrap](http://www.deq.state.or.us/wmc/tuwrap)

**I do not have to prepare a Reduction Plan under the Toxics Use Reduction and Hazardous Waste Reduction (TUHWR) Act requirements since the facility: (check all that apply)**

- ☐ Manufactures the toxic substance as a product.
- ☐ Generates the hazardous waste solely as a result of remedial cleanup activities.
- ☐ Is a Conditionally-Exempt Generator and not a Large Toxics User.
- ☐ Is a Conditionally-Exempt Generator, not a Large Toxics User, and only reports quantities of persistent bioaccumulative toxic (PBT) chemicals as part of the Toxics Release Inventory (TRI) Program.
- ☐ Generates the hazardous waste only as a result of a one-time cleanout event, and was previously a Conditionally-Exempt Generator.
- ☐ Implements an Environmental Management System (EMS) that meets the conditions for the exemption.
- ☐ Implements a consumer education program that meets the conditions for the exemption.
- ☐ Has the prior owner's Reduction Plan on site and it is still valid. Note: You may need to still prepare a Pounds Report if your facility is a Large Toxics User or a Large Quantity Generator.
- ☐ Moved out of state, or is out of business.

**I certify that the information above is correct.**

Name of Senior Manager or Business Owner: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Return form by September 1, 2004 to:**

DEQ - HWPPD TUWRAP  
811 SW Sixth Avenue  
Portland, OR 97204

# Pounds Report

Use this form to report toxic substance use for Reporting Year 2003. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction (TUHWR) Act", TUHWR Questions Answers, and to the TUHWR Act and regulations for reporting requirements. You may make copies of this form if you have more than four chemicals to report

Name of Company: KOPPERS INC

Physical Address: 7540 NW ST HELENS RD, PORTLAND, OR 97210

Mailing Address: KOPPERS INC, 7540 NW SAINT HELENS ROAD, PORTLAND, OR 97210-3663

Contact Person: AMOS S KAMERER Title: PLANT MANAGER

Phone Number: (503) 286-3681 E-Mail Address: \_\_\_\_\_

TRI ID#: 97210KPPRS7540N DEQ ID#: ORD027734359



State of Oregon  
Department of  
Environmental  
Quality

Toxics Use/Waste  
Reduction Assistance  
Program

811 SW 6th Avenue  
Portland, OR 97204  
Phone: (503)229-5181  
Fax: (503)229-6977  
Contact: David Livengood  
[www.deq.state.or.us/wmc/tuwrap](http://www.deq.state.or.us/wmc/tuwrap)

Chemical: \_\_\_\_\_ CAS #: \_\_\_\_\_

Pounds Used: \_\_\_\_\_ Other Information: \_\_\_\_\_

Chemical: \_\_\_\_\_ CAS #: \_\_\_\_\_

Pounds Used: \_\_\_\_\_ Other Information: \_\_\_\_\_

Chemical: \_\_\_\_\_ CAS #: \_\_\_\_\_

Pounds Used: \_\_\_\_\_ Other Information: \_\_\_\_\_

Chemical: \_\_\_\_\_ CAS #: \_\_\_\_\_

Pounds Used: \_\_\_\_\_ Other Information: \_\_\_\_\_

I certify that the information above is correct.

Name of Senior Manager or Business Owner: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Return by September 1, 2004 to:

DEQ - HWPPD - TU/WRAP  
811 SW Sixth Avenue  
Portland, OR 97204

Koppers012493

## Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act

### What does the Act do?

Oregon's Toxics Use Reduction and Hazardous Waste Reduction (TUHWR) Act of 1989 was one of the first laws in the nation to mandate pollution prevention planning. The Act is a comprehensive approach to reducing or eliminating toxic substances use and hazardous wastes generation.

### What does the Act require?

By requiring certain facilities to develop a *TUHWR Reduction Plan* and monitor their progress, the Act encourages Oregon facilities to continuously improve their operations. Since the adoption of the Act, numerous facilities throughout the state have reduced the use of toxic chemicals and the generation of hazardous wastes. For examples of success stories, see DEQ Internet site at:

<http://www.deq.state.or.us/wmc/tuwrap/success.html>

### Facilities that must comply with the TUHWR Act

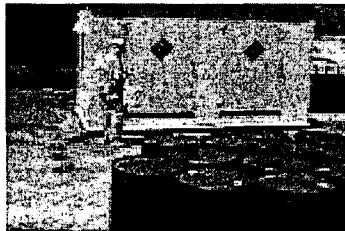
The Act's requirements affect three groups:

- **Large Toxics Users:** Users of toxic chemicals who are required to prepare a Form R or Form A under the federal Toxics Release Inventory program (Superfund Amendments and Reauthorization Act, Title III, Section 313).
- **Large Quantity Generators:** Facilities that generate more than 2,200 pound of hazardous waste or more than 2.2 pounds of acutely hazardous waste in a calendar month.
- **Small Quantity Generators:** Facilities that generate between 220 and 2,200 pounds of hazardous waste in a calendar month.

### Exemptions & Special Circumstances

There are exemptions and circumstances that, if applicable a facility would not have to comply with the TUHWR Law. Those apply if a facility:

- *Manufactures a toxic substance as a product for sale;*
- *Generates hazardous waste solely as a result of remediation (i.e., environmental cleanup activities;*
- *Generates hazardous waste due to a one-time cleanout event;*



- *Instituted an environmental management system (EMS);*
- *Implemented a consumer education program to increase demand for less toxic products;*
- *Recently changed ownership and the Reduction Plan prepared by a prior owner is still valid; and*
- *Has moved outside of Oregon or is out of business.*

If you believe your facility can claim an exemption or special circumstance, please verify the exemption and get the required notification form from your nearest technical assistance provider listed at the end of this fact sheet.

### Toxics Use & Hazardous Waste Reduction Plan

Large toxics user, large quantity generator or small quantity generator must prepare a *TUHWR Reduction Plan*, unless your facility has an exemption. The purpose of a *Plan* is to help your facility reduce its toxic chemicals use and, as a second priority, its hazardous waste generation. The *Plan* encourages you to review your processes and procedures. The *Plan* should cover a five- to ten-year planning cycle.

The TUHWR Plan should include:

- Policy statement;
- Plan scope and objectives;
- Reduction evaluations;
- Employee awareness and training program;
- Institutionalization – an integration into management practices and procedures; and
- Implementation plan.

Your *Reduction Plan* is not public information and should remain at your facility. However, your *Notice of Plan Completion* is public information.



State of Oregon  
Department of  
Environmental  
Quality

**Toxics Use/Waste  
Reduction Assistance  
Program**  
811 SW 6<sup>th</sup> Avenue  
Portland, OR 97204  
Phone: (503) 229-5181  
Fax: (503) 229-6977  
Contact: David Livengood  
[www.deq.state.or.us/wmc/tuwrap.html](http://www.deq.state.or.us/wmc/tuwrap.html)



## Chemicals and hazardous wastes to include in a TUHWR Plan

As part of your *Plan*, a facility must evaluate options to reduce its toxics use and hazardous wastes generation that meet the following quantity thresholds:

- Any toxic substance used in quantities greater than 10,000 pounds a year;
- Any toxic substance used in quantities in excess of 1,000 pounds a year that constitutes 10% or more of the total toxic substances used; and
- For large and small quantity generators, any hazardous waste representing 10% or more by weight of the cumulative hazardous waste stream generated per year.

Toxic substances you must evaluate in the *Plan* are those that your facility reports to EPA through its Toxics Release Inventory (TRI) program; see [www.epa.gov/tri/chemical.htm](http://www.epa.gov/tri/chemical.htm) for the current list. Please note that you do not need to evaluate the TRI persistent, bioaccumulative, and toxic (PBT) chemicals this year.

The *hazardous wastes* you must evaluate are the D, F, K, P, and U listed and characteristic wastes under the federal hazardous waste regulations. You can find a description of the waste codes on pages 55 to 69 within the reference document at [www.deq.state.or.us/wmc/documents/hwrpt39-74.pdf](http://www.deq.state.or.us/wmc/documents/hwrpt39-74.pdf).

## Reporting

After completing a *TUHWR Reduction Plan*, facilities must submit a *Notice of Plan Completion* provided by DEQ.

Large toxics user (LTU) or a large quantity generator (LQG) must prepare and keep on site an *Annual Progress Report*. The *Annual Progress Report* is not public information and should remain at the facility. LTUs and LQGs must also annually submit a Pounds Report on a form provided by DEQ. The information you submit on the *Pounds Report* is public information. If you are a small quantity generator (SQG), you do not need to submit a *Pounds Report*.

For more details about the *Annual Progress Report* or *Pounds Report*, please refer to the *TUHWR Questions & Answers* or call a DEQ technical assistance provider.

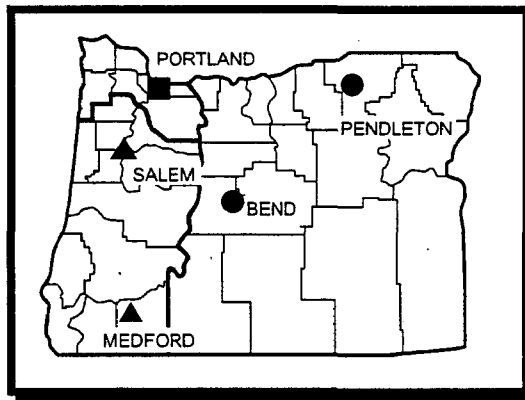
## Technical Assistance Resources

For more details about the TUHWR requirements, refer to the Act or the *TUHWR Questions & Answers* at <http://www.deq.state.or.us/wmc/tuwrap/tuwrap-reportsFAQ.pdf>. The statute can be found in Oregon Revised Statutes 465.003 to 465.037.

The Act's regulations can be found in Oregon Administrative Rules 340-135-0000 to 340-135-0110 or [www.deq.state.or.us/wmc/tuwrap.html](http://www.deq.state.or.us/wmc/tuwrap.html).

DEQ's Toxics Use & Waste Reduction Assistance Program (TUWRAP) provides free technical assistance. TUWRAP staff statewide can help your facility:

- Reduce its toxic substance use and hazardous waste generation;
- Obtain compliance assistance or provide other services (e.g., training);
- Complete or update its *Reduction Plan* or assist with DEQ reporting; or
- Provide TUHWR forms, or you can download them from TUWRAP's web page at [www.deq.state.or.us/wmc/tuwrap.html](http://www.deq.state.or.us/wmc/tuwrap.html)



## Eastern Region:

- Bend: Jeannette Freeman, (541) 388-6146, x229
- Pendleton: Dan Lobato, (541) 278-4606

## Northwest Region:

- Portland: David Kunz, (503) 229-5336
- Portland: Rich Grant, (503) 229-5560
- Portland: Peter Anderson, (503) 229-5564

## Western Region:

- ▲ Medford: Lisa Freeman, (541) 776-6010, x239
- ▲ Salem: Bart Collinsworth, (503) 378-8240, x258

If you have specific questions about the Toxics Use & Hazardous Waste Reduction Program, please contact David Livengood, TUWRAP Coordinator, in Portland at (503) 229-5181 or (800) 452-4011 within Oregon.



# Reason for Not Preparing Pounds Report

*This form is for reporting year 2002. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act" and to the Act and regulations for clarification on when the following reasons for not preparing a Pounds Report may apply.*

Name of Company: Koppers Inc. SIC code(s): 2865

Physical Address: 7540 NW saint Helens Road, Portland, Oregon

Mailing Address: 7540 NW Saint Helens Road, Portland, Oregon 97210-3663

Contact Person: Amos S. Kameron Title: Plant Manager

Phone number: 503-286-3681 E-mail address: kamereras@koppers.com

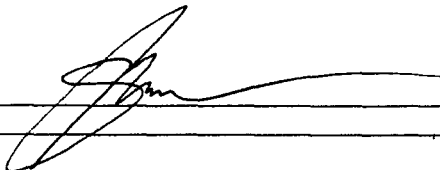
TRI ID #: 97210KPPRS7540N DEQ ID #: ORD02773459

**I have not prepared a Pounds Report under the Toxics Use Reduction and Hazardous Waste Reduction Act for the following reason (check one box):**

- ☒ I was a Large Quantity Generator but did not use any toxic substances in excess of the planning and reporting thresholds. I was not a Large User.
- ☐ My facility has moved out of state or gone out of business.

**My signature below certifies that the information above is correct.**

Name of Senior Manager or Business Owner: Amos S. Kameron

Signature:  Date: 10/3/03

**Send this form by October 20, 2003 to:**

DEQ - HWPPD-TU/WRAP  
811 SW Sixth Avenue  
Portland, OR 97204



State of Oregon  
Department of  
Environmental  
Quality

**Toxics Use/Waste  
Reduction Assistance  
Program**

811 SW 6<sup>th</sup> Avenue  
Portland, OR 97204  
Phone: (503) 229-6015  
Fax: (503) 229-6977  
Contact: Elaine Glendening  
[www.deq.state.or.us/wmc/tuwrap.html](http://www.deq.state.or.us/wmc/tuwrap.html)

Post-it® Fax Note	7671	Date	10/3/03	# of pages	2
To	T. Self				
From	Amos				
Subject	for your files				
Phone #					
Fax #					

Last Updated: 5/15/03  
By: E. Glendening

Koppers012496

# Pounds Report

93

Use this form to report on toxic substance use for reporting year 2002. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act" and to the Act and regulations for information on reporting requirements. You may make copies of this form if you have more than four chemicals to report.

Name of Company: KOPPERS INDUSTRIES, INC SIC Code(s): 2865: CYCLIC CRUDES & INTERMEDIATES

Physical Address: 7540 NW ST HELENS RD, PORTLAND, OR 97210

Mailing Address: 7540 NW ST HELENS RD, PORTLAND, OR 97210-3663

Contact Person: AMOS S KAMERE R Title: Plant Manager

Phone Number: (503) 286-3681 E-Mail Address: Unknown

TRI ID#: 97210KPPRS7540N DEQ ID#: ORD027734359



State of Oregon  
Department of  
Environmental  
Quality

Toxics Use/Waste  
Reduction Assistance  
Program

811 SW 6th Avenue  
Portland, OR 97204  
Phone: (503)229-6015  
Fax: (503)229-6977  
Contact: Elaine Glendening

Chemical: \_\_\_\_\_ CAS #: \_\_\_\_\_

Pounds Used: \_\_\_\_\_ Other Information: \_\_\_\_\_

Chemical: \_\_\_\_\_ CAS #: \_\_\_\_\_

Pounds Used: \_\_\_\_\_ Other Information: \_\_\_\_\_

Chemical: \_\_\_\_\_ CAS #: \_\_\_\_\_

Pounds Used: \_\_\_\_\_ Other Information: \_\_\_\_\_

Chemical: \_\_\_\_\_ CAS #: \_\_\_\_\_

Pounds Used: \_\_\_\_\_ Other Information: \_\_\_\_\_

**My signature below certifies that the information provided above is correct.**

Name of Senior Manager or Business Owner: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Send this form by October 20, 2003 to DEQ - HWPPD - TU/WRAP  
811 SW Sixth Avenue  
Portland, OR 97204



# Oregon

Theodore Kulongoski, Governor

## Department of Environmental Quality

### Headquarters

811 SW Sixth Avenue  
Portland, OR 97204-1390  
(503) 229-5696  
FAX (503) 229-6124  
TTY (503) 229-6993

Aprcrt 87

September 19, 2003

DEQ:TUR:APRNew: 143615

Koppers Industries Inc  
7540 NW St Helens Rd  
Portland, OR 97210-3663

RE: Requirement to Complete the Annual Pounds Report by October 20, 2003

Oregon's 1989 Toxics Use Reduction and Hazardous Waste Reduction Act (TURHWRA) was one of the first State laws to promote pollution prevention through facility-wide planning. Since its passage, businesses throughout the State have successfully employed the law's planning requirements to reduce their use of toxic chemicals and to reduce generation of hazardous wastes. The law requires that certain businesses, industrial facilities, government agencies, and institutions review their practices and processes that use toxic substances and generate hazardous wastes; prepare facility-wide Reduction Plans; and report annually on the progress they have made in implementing their plans.

We are writing to inform you that our records indicate that your facility has completed (or should have completed) a Reduction Plan and falls into one or both of the following categories required to prepare an Annual Progress Report:

- **Large Quantity Generators** - persons who generate more than 2,200 pounds of hazardous waste or more than 2.2 pounds of acutely hazardous waste in a calendar month.
- **Large Users** - users of toxic chemicals who are required to report under the federal Toxics Release Inventory program (Section 313 of the Emergency Planning and Community Right-to-Know Act).

In addition to preparing the Annual Progress Report, which is kept on-site, facilities in these categories are required to track the pounds of certain toxic chemicals used and to report this information annually to DEQ. Please complete and submit the enclosed Pounds Report form by October 20, 2003.

Please submit the form to:

DEQ - HWPPD - TU/WRAP  
811 SW Sixth Ave  
Portland, OR 97204

RECEIVED

SEP 22 2003

KOPPERS INDS, INC.  
PORTLAND OR



Koppers012498

Note: Please check the information on your mailing label. If it is incorrect, please make corrections on your form.

When reporting on the quantities of toxic chemicals from your Annual Progress Report, consult your Reduction Plan and the enclosed fact sheet "Oregon's Toxics Use and Hazardous Waste Reduction Act." In certain situations, your facility may not need to prepare a Pounds Report form; please see the enclosed fact sheet and the "Reason for Not Preparing Pounds Report" form. Please note that we are not asking you to include the quantities of hazardous waste that you generated in the Pounds Report. Hazardous waste generators submit the required information each March. Please keep a copy of your Pounds Report form on site.

For reporting year 2002, online reporting will not be available, because DEQ is upgrading its computer system. All reporting must be submitted on the attached forms.

To obtain further information on TURHWRA requirements or to receive technical assistance, please see the enclosed fact sheet. You can obtain copies of forms and other information on our Web site: [www.deq.state.or.us/wmc/tuwrap.html](http://www.deq.state.or.us/wmc/tuwrap.html). If you believe that our records are incorrect or have questions about the requirements, please contact me at 503-229-6015 or at [glendening.elaine@deq.state.or.us](mailto:glendening.elaine@deq.state.or.us).

Sincerely,



Elaine Glendening  
Toxics Use/Waste Reduction Assistance Coordinator

Enclosures:

- Form: Pounds Report
- Form: Reason for Not Preparing Pounds Report
- Fact sheet: Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act



# Notice of Plan Completion

27

This form is for reporting year 2002. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act" and to the Act and regulations for information on planning requirements.

Name of Company: KOPPERS INDUSTRIES INC SIC Code(s): 2865: CYCLIC CRUDES & INTERMEDIATES

Physical Address: 7540 NW ST HELENS RD, PORTLAND, OR 97210

Mailing Address: 7540 NW ST HELENS RD, PORTLAND, OR 97210-3663

Contact Person: AMOS S KAMERE R Title: PLANT MANAGE R

Phone Number: (503) 286-368 1 E-Mail Address: Unknown

TRI ID#: 97210KPPRS7540N DEQ ID#: ORD027734359



State of Oregon  
Department of  
Environmental  
Quality

Toxics Use/Waste  
Reduction Assistance  
Program

811 SW 6th Avenue  
Portland, OR 97204  
Phone: (503)229-6015  
Fax: (503)229-6977  
Contact: Elaine Glendenine

I certify that the business identified on this form has completed a Reduction Plan, as required under Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act, and that this Plan is kept on site.

Name of Senior Manager or Business Owner: Amos S. Kamerer

Signature: [Signature] Date 10/3/03

Send this form by October 20, 2003 to: DEQ - HWPPD - TU/WRAP  
811 SW Sixth Avenue  
Portland, OR 97204

# Reason for Not Preparing Plan

*This form is for reporting year 2002. Refer to the fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act" and to the Act and regulations for clarification on when the following reasons for not preparing a Plan may apply.*

Name of Company: \_\_\_\_\_ SIC code(s): \_\_\_\_\_

Physical Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_

Phone number: \_\_\_\_\_ E-mail address: \_\_\_\_\_

TRI ID #: \_\_\_\_\_ DEQ ID #: \_\_\_\_\_



State of Oregon  
Department of  
Environmental  
Quality

## Toxics Use/Waste Reduction Assistance Program

811 SW 6<sup>th</sup> Avenue  
Portland, OR 97204  
Phone: (503) 229-6015  
Fax: (503) 229-6977  
Contact: Elaine Glendening  
[www.deq.state.or.us/wmc/tuwrap.html](http://www.deq.state.or.us/wmc/tuwrap.html)

### I have not prepared a Reduction Plan under the Toxics Use Reduction and Hazardous Waste Reduction Act for the following reason (check one box):

I am not subject to these requirements, because:

- ☐ I manufactured the toxic substance as a product.
- ☐ I generated the hazardous waste solely as a result of remedial activities.
- ☐ I was a Conditionally-Exempt Generator and not a Large User.
- ☐ I was a Conditionally-Exempt Generator and not a Large User and only report quantities of persistent bioaccumulative toxic (PBT) chemicals as part of the Toxic Release Inventory Program (TRI).

or

I am claiming or applying for an exemption from these requirements:

- ☐ I certify that I generated the hazardous waste as a result of a one-time cleanout event and that I was previously a Conditionally-Exempt Generator.
- ☐ I certify that I have an Environmental Management System that meets the conditions for this exemption.
- ☐ I am applying for an exemption from these requirements because I have a consumer education program that meets the conditions for this exemption.

or

One of these special situations applies to me:

- ☐ A prior owner of my facility prepared a Reduction Plan that is still valid and that is retained at the facility. (Please note that you may need to prepare a Pounds Report, depending on your status.)
- ☐ My facility has moved out of state or gone out of business.

**My signature below certifies that the information above is correct.**

Name of Senior Manager or Business Owner: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Send this form by October 20, 2003 to:**

DEQ - HWPPD-TU/WRAP  
811 SW Sixth Avenue  
Portland, OR 97204

Last Updated: 5/15/03  
By: Elaine Glendening

Koppers012501



# Oregon

Theodore Kulongoski, Governor

## Department of Environmental Quality

### Headquarters

811 SW Sixth Avenue  
Portland, OR 97204-1390  
(503) 229-5696  
FAX (503) 229-6124  
TTY (503) 229-6993

DIqnp 26

September 19, 2003

DEQ:TUR:NPCDIq: 143615

Koppers Industries Inc  
7540 NW St Helens Rd  
Portland, OR 97210-3663

RE: Requirement to Submit a Notice of Plan Completion by October 20, 2003

Oregon's 1989 Toxics Use Reduction and Hazardous Waste Reduction Act (TURHWRA) was one of the first State laws to promote pollution prevention through facility-wide planning. Since its passage, businesses throughout the State have successfully employed the law's planning requirements to reduce their use of toxic chemicals and to reduce generation of hazardous wastes.

We are writing to inform you that our records indicate your facility is subject to TURHWRA planning requirements and therefore must complete a Reduction Plan. The deadline for developing your Plan has passed. You are required to notify DEQ of plan completion by October 20, 2003.

**Please submit the "Notice of Plan Completion" (NPC) form that is enclosed to:**

**DEQ – HWPPD – TU/WRAP  
811 SW Sixth Ave  
Portland, OR 97204**

**Please keep a copy of your Plan and NPC form on site.**

The law requires that certain businesses, industrial facilities, government agencies, and institutions review their practices and processes that use toxic substances and generate hazardous wastes; prepare facility-wide Reduction Plans; and report annually on the progress they have made in implementing their plans. "Toxics Users" falling into one or more of the following categories are required to develop a Reduction Plan:

- **Small Quantity Generators** - persons who generate between 220 and 2,200 pounds of hazardous waste in a calendar month.
- **Large Quantity Generators** - persons who generate more than 2,200 pounds of hazardous waste or more than 2.2 pounds of acutely hazardous waste in a calendar month.

RECEIVED

SEP 22 2003

KOPPERS INDS, INC  
PORTLAND, OR  
Koppers012502





- **Large Users** - users of toxic chemicals who are required to report under the federal Toxics Release Inventory program (Section 313 of the Emergency Planning and Community Right-to-Know Act).

Some facilities may not be subject to planning requirements or may be able to claim an exemption. To find out more, please see the enclosed fact sheet "Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act." If you are not subject to Plan requirements or are claiming an exemption, please complete the form "Reason for Not Preparing Plan" that is on the reverse side of the NPC form. This information will help us avoid sending you unnecessary paperwork in the future.

Note: Please check the information on your mailing label. If it is incorrect, please make corrections on your form.

To obtain further information on TURHWRA requirements or to receive technical assistance, please see the enclosed fact sheet. You can obtain copies of forms and other information on our Web site: [www.deq.state.or.us/wmc/tuwrap.html](http://www.deq.state.or.us/wmc/tuwrap.html).

If you believe that our records are incorrect or have questions about the requirements, please contact me at 503-229-6015 or at [glendening.elaine@deq.state.or.us](mailto:glendening.elaine@deq.state.or.us)

Sincerely,



Elaine Glendening  
Toxics Use/Waste Reduction Assistance Coordinator

Enclosures:Form:

- Notice of Plan Completion
- Form: Reason for Not Preparing Plan
- Factsheet: Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act



## Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act

### What does the Act do?

Oregon's Toxics Use Reduction and Hazardous Waste Reduction Act of 1989 was one of the first laws in the nation to mandate pollution prevention planning. It was developed with the support of both the business and environmental communities.

The Act takes a comprehensive approach to reducing pollution at its source by encouraging Oregon's businesses and institutions to make facility-wide changes that reduce or eliminate the use of toxic substances and generation of hazardous wastes. By requiring affected parties to develop Reduction Plans and monitor their progress, the Act also encourages Oregon facilities to continuously improve their operations. Since the adoption of the Act, facilities throughout the state have reduced the use of toxic chemicals and the generation of hazardous wastes.

### Do the Act's requirements affect me?

The Act's requirements affect three groups of "Toxics Users:"

- **Large Users:** users of toxic chemicals who are required to prepare a Form R or Form A under the federal Toxics Release Inventory program (Superfund Amendments and Reauthorization Act, Title III, Section 313).
- **Large Quantity Generators:** facilities that generate more than 2,200 pound of hazardous waste or more than 2.2 pounds of acutely hazardous waste in a calendar month.
- **Small Quantity Generators:** facilities that generate between 220 and 2,200 pounds of hazardous waste in a calendar month.

### Do I need to prepare a Reduction Plan? What is its purpose?

If your facility is a Toxics User (as defined above), you are required to develop a **Reduction Plan**. The purpose of a Reduction Plan is to help you reduce your use of toxic chemicals and, as a second priority, reduce your generation of hazardous waste. Preparing the Plan encourages you to review your processes and procedures and make a thoughtful search for reduction methods that you can implement. The Plan should cover a five- to ten-year time frame.

### What elements should my Plan include?

**Policy statement.** This policy articulates support by your facility's senior management for the Reduction Plan and a commitment to implement it.

**Plan scope and objectives.** Your Plan should identify and evaluate reduction opportunities and involve employees in reduction awareness efforts.

**Reduction evaluations.** This is the core part of your Plan. You should first collect and examine data on the types and amounts of toxic substances you used and the hazardous wastes you generated. The next step is to determine what processes used the toxic chemicals and generated the wastes. Having completed this status review, you can then identify potential reduction or recycling methods. Your Plan should document the rationale for the reduction options you considered:

- Explain why any of the options considered but not implemented were not technically or economically feasible.
- Show that toxics use reduction options were given priority over hazardous waste reduction options where feasible.
- Point out potential cross-media impacts of options (e.g., shifts in pollutants from sanitary sewer to air emissions, with consequences for human health).

### Employee awareness and training program.

While owners and managers set the priority and tone for reduction efforts, it generally takes a team effort to make it happen. Employees should be involved in reduction planning and implementation to the maximum extent feasible. This part of the Plan describes how you are involving employees and raising their awareness.

**Institutionalization.** You should describe how the Plan is being incorporated in management practices and procedures to ensure that reduction planning is an ongoing effort.

**Implementation plan.** In this part of the Plan, you describe feasible reduction options and provide details (e.g., tasks and dates) on how the options you selected will be implemented.



State of Oregon  
Department of  
Environmental  
Quality

**Toxics Use/Waste  
Reduction Assistance  
Program**  
811 SW 6<sup>th</sup> Avenue  
Portland, OR 97204  
Phone: (503) 229-6015  
Fax: (503) 229-6977  
Contact: Elaine Glendening  
[www.deq.state.or.us/wmc/tuwrap.html](http://www.deq.state.or.us/wmc/tuwrap.html)

After completing a Reduction Plan, you must submit a **Notice of Plan Completion** (a form provided by DEQ). This form is due by September 1 following the calendar year in which your facility became a Toxics User.

Your Reduction Plan is not public information and should remain at your facility. However, your Notice of Plan Completion is public information.

### **Which chemicals and hazardous wastes should I include in my Plan?**

As part of your Plan, you must evaluate opportunities for reducing the use of toxic substances and the generation of hazardous wastes meeting the following quantity thresholds:

- Any toxic substance used in quantities greater than 10,000 pounds a year;
- Any toxic substance used in quantities in excess of 1,000 pounds a year that constitutes 10% or more of the total toxic substances used; and
- For Large and Small Quantity Generators, any hazardous waste representing 10% or more by weight of the cumulative hazardous waste stream generated per year.

*Toxics use* means the use or production of a toxic substance. In practice, this can include chemicals that are used as inputs to a production process, created as byproducts during production, released from the production process, or generated as products for sale.

A *toxic substance* is one that is poisonous or harmful to plant or animal life. The toxic substances you must evaluate in the Plan are the chemicals and chemical categories reportable to the Toxics Release Inventory. On the U.S. EPA's Web site, go to [www.epa.gov/tri/chemical.htm](http://www.epa.gov/tri/chemical.htm) for the current list. Please note that the new TRI persistent, bioaccumulative, and toxic (PBT) chemicals do not need to be evaluated.

The *hazardous wastes* to be evaluated are the D, F, K, P, and U listed and characteristic wastes under the federal Resource Conservation and Recovery Act. On DEQ's Web site, go to [www.deq.state.or.us/wmc/documents/hwrpt39-74.pdf](http://www.deq.state.or.us/wmc/documents/hwrpt39-74.pdf) for descriptions of the waste codes.

### **Do I need to prepare an Annual Progress Report and Pounds Report? What is their purpose?**

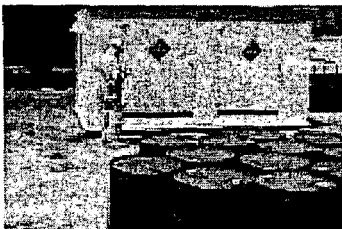
If your facility is a Large User or a Large Quantity Generator, you are required to prepare

an **Annual Progress Report** and a **Pounds Report**. If you are a Small Quantity Generator, you do not need to prepare either one.

You complete the **Annual Progress Report** to update your Plan (if necessary), estimate the quantities of the toxic substances and hazardous wastes evaluated in your Plan, and analyze your progress in reducing them. You may provide additional descriptive detail on reduction progress and impediments if desired. If, during the calendar year, you use new chemicals or generate new hazardous wastes that meet the quantity thresholds for planning (presented above), you must also include them in your Annual Progress Report.

You complete the **Pounds Report** (a form provided by DEQ) to report annually to DEQ on the quantities of toxic substances you used, based on information from your Annual Progress Report. You must submit this information by September 1 of each year. If you were a Large Quantity Generator and did not meet the quantity thresholds for toxic substance planning and reporting (presented above), you can check the appropriate box on the "Reason for Not Preparing Pounds Report" form. If you succeeded in eliminating use of a toxic chemical that you had previously reported, you can highlight this success by entering "0" pounds and indicating how the chemical was eliminated. Please note that you do not need to report quantities of hazardous waste generated on the Pounds Report form, since this information is already reported to DEQ in the Annual Hazardous Waste Report.

Your Annual Progress Report is not public information and should remain at your facility. The information you submit on the Pounds Report is public information.



### **In what situations would I be excluded from the Act's requirements?**

There are several situations in which your facility would not need to satisfy any requirements of the Toxics Use Reduction and Hazardous Waste Reduction Act:



- You manufactured a toxic substance as a product for sale.
- You generated hazardous waste solely as a result of remediation activities (i.e., environmental cleanup).
- You were not a Toxics User (as defined above).

### **When can I obtain an exemption from the Act's requirements?**

If you generated hazardous waste due to a one-time clean-out event, you may be able to claim an exemption. You can claim this exemption if you are not a Large User and your hazardous waste generator status changed from Conditionally-Exempt Generator to Large or Small Quantity Generator solely due to a one-time generation event such as a storeroom cleanout or disposal of expired chemical inventories.

You can claim this exemption by checking the appropriate box on the "**Reason for Not Preparing Plan**" Form. DEQ staff will contact you to verify your status and then prepare an acknowledgement letter. If you meet the terms for this exemption, you will not have to prepare a Reduction Plan, Annual Progress Report, or Pounds Report. Please note that these one-time generation events must not occur more frequently than every five years.



If you implemented an Environmental Management System (EMS), you may be able to claim an exemption. You may claim an EMS exemption provided that your EMS:

- follows a continual cycle of planning, implementation, review, and improvement;
- documents the evaluation of reduction opportunities for toxic substances used and hazardous wastes generated at the facility; and
- includes a means to implement identified reduction opportunities whenever technically and economically practicable.

Alternatively, you may claim this exemption by incorporating the standards outlined above as

part of an EMS that has received independent registration for the ISO 14001 standard.

You can claim this exemption by checking the appropriate box on the "Reason for Not Preparing Plan" Form. DEQ staff will contact you to verify your status and then prepare an acknowledgement letter. If you meet the terms for this exemption, you will not need to prepare a Reduction Plan or an Annual Progress Report. However, you will need to submit a Pounds Report annually to maintain the exemption.

If you implemented a consumer education program to increase demand for less toxic products, you can apply for an exemption. If you are a large user and you have implemented an education program designed to increase demand for a consumer product manufactured at your facility that is nontoxic or less toxic than similar products you currently sell, you may apply for this exemption. To qualify for the exemption, you must have:

- implemented all technically and economically feasible toxics use reduction and hazardous waste reduction opportunities;
- determined that further reductions can only be accomplished by producing less product; and
- demonstrated that the products being promoted use or release smaller numbers or amounts of toxic substances than equivalent manufactured products.

You can apply to DEQ to receive approval for this exemption by checking the box on the "Reason for Not Preparing Plan" form. If you meet the terms for this exemption, you will not need to prepare a Reduction Plan or an Annual Progress Report. However, you will need to submit a Pounds Report annually to maintain the exemption.

### **In what other special situations would I not have to satisfy the Act's requirements?**

If your facility recently changed ownership and the Plan prepared by a prior owner is still valid, you do not need to prepare a new Plan. When a facility that is subject to the Act's requirements changes ownership, DEQ asks the new owner to prepare a Reduction Plan. This informs the new owner of the Act's requirements and helps ensure that any significant changes in management commitment, facility operations, or toxics/waste reduction activities are captured in a new Plan. However, if changes are minor, a Plan prepared by a prior owner of the facility may still



be valid. You can amend the prior Plan as necessary and check the appropriate box on the back of the "Reason for Not Preparing Plan" form. Please note that you may still need to prepare a Pounds Report, depending on your status.

If your facility has moved out of state or gone out of business, you do not need to satisfy the Act's requirements. Please check the appropriate box on the "Reason for Not Preparing Plan" form or "Reason for Not Preparing Pounds Report" form to let us know about your change in facility status.

### Will DEQ review my Plan and Annual Progress Reports?

DEQ staff may review your Plan and Annual Progress Reports during a technical assistance visit or inspection. DEQ staff can assist you in meeting the planning and reporting requirements and in correcting any deficiencies.

### Where can I obtain the statute and regulations?

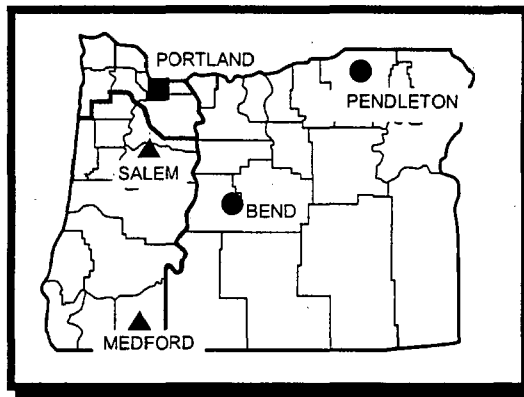
This fact sheet summarizes the Act's requirements; you should review the statute and regulations for more details. The statute can be found in Oregon Revised Statutes 465.003 to 465.037. The Act's regulations can be found in Oregon Administrative Rules 340-135-0000 to 340-135-0110. Links to both can be found at [www.deq.state.or.us/wmc/tuwrap.html](http://www.deq.state.or.us/wmc/tuwrap.html).

### How can I obtain technical assistance or other information?

DEQ's Toxics Use/Waste Reduction Assistance Program (TU/WRAP) provides free and confidential technical assistance to businesses throughout Oregon. It plays a dual role, helping businesses reduce their use of toxic substances and generation of hazardous waste while also assisting them in coming into compliance with the Act's regulations and hazardous waste regulations. TU/WRAP staff statewide provide on-site consultations, conduct training sessions, respond to facility inquiries, and implement other elements of the Program.

Please contact the TU/WRAP technical assistance provider closest to you for help with:

- reducing your facility's toxic substance use and hazardous waste generation;
- completing your Reduction Plan, Annual Progress Report, and Pounds Report; and
- obtaining an exemption from the Act's requirements.



#### Eastern Region:

- Bend: Jeff Ingalls, (541) 388-6146, x238
- Pendleton: Dan Lobato, (541) 278-4606

#### Northwest Region:

- Portland: Jay Collins, (503) 229-5165;

#### Western Region:

- ▲ Medford: Wayne Kauzlarich, (541) 776-6010, x227
- ▲ Salem: Eric Clark, (503) 378-8240, x253;  
Bart Collinsworth, (503) 378-8240, x258

For copies of forms or other Toxics Use Reduction and Hazardous Waste Reduction Act information, visit our Web site at [www.deq.state.or.us/wmc/tuwrap.html](http://www.deq.state.or.us/wmc/tuwrap.html) or contact Elaine Glendening at (503) 229-6015.



**Date:** 12/24/99 6:18 AM  
**Sender:** Amos Kameron  
**To:** Traci Self; Mark Cilley  
**cc:** Jim Dietz  
**Priority:** Normal  
**Subject:** ODEQ - TUR

---

Under separate cover I am faxing you copies of a letter from Jay Collins, approving our exemption from the TUR requirements, with stipulations.

My review produced the following comments or questions:

- \* In his recital, paragraph # 2, he says the pencil pitch is unloaded into a large "open" storage area; I realize that the buildings are large open areas, but they are covered, thus, do we want this changed, so that the file is correct?
- \* Paragraph # 3, the storm water is not discharged to the sanitary sewer.
- \* In the stipulation, what are your interruptions of the last sentence?

Obviously, I want to respond and thank them for this consideration and thought that I could correct these "errors", so that the information in their files is correct. Let me know what you think. Thanks.

Happy Holidays,

Amos

- Pitch  
- LACO Also



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

December 16, 1999

MR AMOS KAMERER  
KOPPERS INDUSTRIES INC  
7540 NW ST HELENS ROAD  
PORTLAND OR 97210-3663

Re: HW - TUR Plan Waiver Approval

Dear Mr. Kamerer:

Thank you for your letter of August 31, 1999, explaining why an exemption from Toxics Use Reduction (TUR) Plan requirements makes sense for Koppers Industries in Portland. In this letter and during our site visit on December 1, 1999, you pointed out that your facility is brought into TUR planning solely due to the use of heavy oil as an additive to the production process.

Pencil pitch, which is a solid form of coal tar pitch, is transported to the facility by truck. The raw material is unloaded into a large open storage area and conveyed over to tanks for heating. Then, heavy oil is added for softening point adjustments to bring the coal tar pitch to industry specifications. The liquid coal tar binder is sold to the primary aluminum industry.

Some volatile material is lost in changing the pencil pitch from the solid to the liquid form. However, we learned that this loss is unlikely to have a significant effect on the amount of heavy oil used to bring the coal tar pitch up to specification. Handling pencil pitch in its solid form creates a fine particulate, which falls on the ground. Besides the potential for environmental impacts, additional manpower and stormwater treatment is necessary because of this. Storm water is collected and sampled, then discharged to sanitary sewer. Koppers does remove solids from its catch basins and pitch found collecting on the property, returning them to the process.

Technology has progressed and it is possible to receive the coal tar pitch in a liquid state. A new storage tank and heated pipeline for the receipt of liquid coal tar pitch is under construction. The facility has plans to receive only liquid pitch by the end of the year 2002. When the liquid pitch system is in place a fume combustion unit will be added. Changing from a solid to a liquid coal tar pitch will reduce the fines generated from handling the solid form. It is not known at this time whether the lack of the additional heating step will change the amount of heavy oil used.

# RECEIVED

DEC 23 1999

KOPPERS INDS, INC.  
PORTLAND OR



Koppers Industries  
December 17, 1999  
Page 2

The Department of Environmental Quality (DEQ) approves your request for exemption from all TUR requirements, including annual TUR Plan updates and the Annual Pounds Report. With the following stipulations:

- DEQ applies this exemption to your use of heavy oil reported on the Toxics Release Inventory. Use of other TRI listed materials above threshold values or exceeding the Conditionally Exempt Generator (CEG) ceiling of 220 pounds in a calendar month will void this exemption, again triggering TUR planning and reporting requirements. An important note for your facility: Site cleanup wastes do not count towards monthly generator for the purposes of TUR requirements. (See the fact sheet provided by DEQ on site.)

DEQ reserves the right to reconsider this exemption if a problem noted in DEQ's recent Notice of Noncompliance remains unresolved or Koppers Industries fails to institute its liquid handling system in a timely fashion.

DEQ appreciates Koppers Industries help in clarifying our understanding of your process and for your continued push to institute improvements beneficial to Oregon's environment. Please feel free to request our assistance in the future. If you have further questions, please telephone me at 229-5165.

Sincerely,



Jay Collins  
Hazardous Waste Specialist

cc: Tim Honadel, DEQ TUR Coordinator, WMC Division, Hazardous Waste Section  
NWR HW File: Multnomah Co.; Koppers Industries; EPA ID ORD027734359



# Oregon

DEPARTMENT OF

ENVIRONMENTAL

QUALITY

Northwest Region  
2020 SW Fourth Ave., Suite 400  
Portland, Oregon 97201-4987  
1-800-452-4011  
Fax: (503) 229-6945  
TTY: (503) 229-5471

Jay T. Collins  
Hazardous Waste  
Waste Reduction  
Assistance Program  
(503) 229-5165  
collins.jay@deq.state.or.us



**Beth Moore**  
Hazardous Waste  
Waste Reduction  
Assistance Program  
(503) 229-5586  
Moore.Beth@deq.state.or.us



# Oregon

DEPARTMENT OF

ENVIRONMENTAL

QUALITY

Northwest Region  
2020 SW Fourth Ave., Suite 400  
Portland, Oregon 97201-4987  
1-800-452-4011  
Fax: (503) 229-6945  
TTY: (503) 229-5471



To Amos  
Date 10.25.99 Time 11<sup>11</sup> ☐ AM ☐ PM

WHILE YOU WERE OUT  
M Mack Gietley Cilley  
of \_\_\_\_\_

Phone Numbers ☒ Telephoned  
Office 708.222.3456 ☒ Please call  
Area Code Number Ext.  
Voicemail \_\_\_\_\_ ☐ Returned your call  
FAX \_\_\_\_\_ ☐ Called to see you  
Pager \_\_\_\_\_ ☐ Wants to see you  
Mobile \_\_\_\_\_ ☐ Will call again  
e-mail \_\_\_\_\_ ☐ URGENT

Message

ODEQ - Jay Collins  
1) write a reduction plan  
2) walk through of the plant  
11/15-19  
11/29-12/3 \*  
Will try for 12/1/99 - 9AM



GreenCycle  
RECYCLED PAPER

Operator

Reorder  
#23-700

Trace, Mark —

9/27/99

Waste

Toxic Use Reduction Rule

Water

Air

BAT Analysis

**Date:** 9/17/99 7:25 AM  
**Sender:** Amos Kamerer  
**To:** Mark Cilley; Traci Self  
**cc:** Jim Dietz  
**Priority:** Normal  
**Subject:** Re[4]: Toxic Use Reduction Rule

---

Mark,

Could we schedule this for a little later in the day, on Monday the 27th, say 10:30 AM Portland time? I'll just be returning from vacation that morning and TJ will be gone on vacation, thus, I'll be busy getting the guy's going the first thing that morning, plus, I'll need to catch up on things. Let me know. Thanks.

Amos

---

Reply Separator

**Subject:** Re[3]: Toxic Use Reduction Rule  
**Author:** Mark Cilley  
**Date:** 9/16/99 2:41 PM

Traci:

It looks like the best time to hold a conference call considering everyone's schedule that I know about will be the week of the 27th. Why don't we plan for the 27th at 1000 a.m. Chicago time 1100 a.m. Pittsburgh time and 0800 a.m. Portland time.

If anyone has conflicts please let us know.

Also, Traci, I will contact you concerning the pre-planning discussion for IDEM as soon as I know the date and time.

Mark

**Date:** 9/16/99 8:51 AM  
**Sender:** Mark Cilley  
**To:** Amos Kamerer; Traci Self  
**cc:** Jim Dietz  
**Priority:** Normal  
**Subject:** Re: Toxic Use Reduction Rule

---

Amos:

This is a typical ploy used by state agencies and the federal government to have input into the decision making process for a facility. It can be a very arduous and trying process or it can be very enlightening with benefits obtained by both parties. It basically depends on whom you work with and what their main objective is.

I believe at this point, especially with your note from yesterday concerning the possibility of enforcement action, that it may work to our advantage to cooperate with them but set some firm guidelines as to how the process should proceed and possibly a waiver of any enforcement action if an item discovered during the process is deemed out of compliance. Your plant is relatively small and there are not a lot of processes that they could get involved in. The only concern I could see would be possibly some more paving/covering of some process areas and the fume system.

As for the tank labeling, (additional thought), I believe we should keep the labels that currently depict the last material contained (change the ones that are faded or can't be read). I don't feel we should place the storm water label on the tanks until such time as they are used for this purpose. As such, we should have the labels on site, change our designation of the tanks in the SPCC to reflect that the tanks contain residue and that they will be used to as storm water surge tanks if the need arises.

Why don't we set up a conference call with yourself, Traci, Jim Dietz and myself to discuss the pros and cons of ODEQ proposal.

Mark

**Date:** 9/14/99 5:21 PM  
**Sender:** Amos Kameroner  
**To:** Mark Cilley; Traci Self  
**Priority:** Normal  
**Subject:** Toxic Use Reduction Rule

---

Mark,

Jay Collins, ODEQ called this PM to say that he had reviewed our request with his boss and in light of our recent inspection and the resulting waste water disposal issue that developed; that before granting us an exemption of this rule that they would like for us to consider letting them come into the plant to do a plant inspection - develop BMP's dealing with air, water, hazardous waste and process improvement issue's, etc., etc..

I explained that I would need to review this with you and Traci, and would get back to him in the next couple of weeks. He said that would be fine. He also asked if we were doing any of this kind of thing, so, I took a little time to explain the SH & E Management System that was just getting started. He seemed pleased to hear this, and commented that perhaps they could be of assistance in this process. I laughed to my self and thought, perhaps, but without any final approval!

Let me know what you think.

Amos

# KOPPERS

7540 N.W. St. Helens Rd.  
Portland, Oregon 97210  
(503) 286-3681

9/14/99

JAY

- Recent inspection waste water  
issue
- Do
- Do a plant inspection & plant  
evaluation/develop procedures  
with us, etc.

Aid

Water

H. waste storage

process improvements

AMOS S. KAMERER





Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

Amos S. Kameron  
Plant Manager

Telephone: 503-286-3681  
Fax: 503-285-2831

**Fax Memorandum**

August 31, 1999

Mr. Jay Collins  
Oregon DEQ (WRAP)  
Northwest Region  
2020 SW 4<sup>th</sup>, Suite 400  
Portland, OR 97201

RE: Toxic Use Reduction Rule

Dear Mr. Collins:

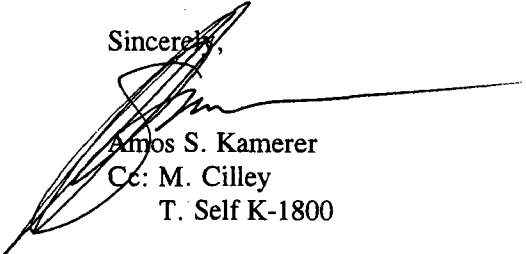
As we discussed on this date, Koppers Industries, Inc. operates a terminal facility that imports coal tar pitch in a solid form and then melts the pitch for loading into rail tank cars or tank trucks for distribution to our Aluminum producing customers. A heavy oil (coal tar distillate) is added back to the product, on an as needed basis for softening point adjustment, to replace the fractions lost during the melting process. As such, there is no processing of this product, only repackaging from a solid to liquid.

The Portland terminal facility is a conditionally exempt small quantity generator of hazardous waste. In 1998 we generated a total of 800 pounds of hazardous waste. The waste generated was debris (absorbents, rags etc.) contaminated with creosote. We no longer use creosote at this facility and the generation of this waste will be discontinued.

Due to these facts, Koppers Industries, Inc. does not fully understand where we would fit into the scheme of this regulation and ask that the Oregon DEQ review our applicability to this rule. We also respectfully request an extension of the associated reporting requirements until such time that a determination of applicability can be made.

Thank you for your time and consideration in this matter.

Sincerely,



Amos S. Kameron

Cc: M. Cilley

T. Self K-1800

Dependability... Koppers Creosote

5 0 3 2 8 6 3 6 8 1

- operating under an EMS
- Review
- Extension to 10/1/99
- 1-503-229-6945 FAX
- Repackaging

Collins. PAY @ DRD, State. OK. US



# Oregon

John A. Kitzhaber, M.D., Governor

Department of Environmental Quality

Headquarters

**RECEIVED** 811 SW Sixth Avenue  
Portland, OR 97204-1390  
(503) 229-5696

FAX (503) 229-6124  
TTY (503) 229-6993

AUG - 4 1999

## NOTICE

RE: Annual Toxics Use Reduction Report (TUR)  
OAR 340-135-000 through 0110

**KOPPERS INDS, INC.**  
**PORTLAND OR**

Why did I get this notice?	Because your business is registered with DEQ as a hazardous waste generator, or your business filed a form R to comply with the Toxic Chemical Release Inventory (TRI) law.
What does TUR consist of?	<ol style="list-style-type: none"><li>1) The Reduction Plan – created the first year and kept at your place of business.</li><li>2) Notice of Plan Completion – sent to DEQ when the Reduction Plan is created.</li><li>3) The Annual Progress Report – a report on the Reduction Plan, created beginning the first year after the creation of the Reduction Plan and kept with the plan. Small Quantity Generators are not required to complete the Annual Progress Report.</li><li>4) Large Toxic Users must report on the pounds of toxic substances used – this is sent to DEQ annually.</li></ol>
What should I do?	Determine applicability of the TUR rule by completing at least Parts 1 & 2 of the attached sheet. Follow the directions from there. If the TUR rule is applicable to your business, reporting is due September 1, 1999.
The Oregon Toxics Use Reduction (TUR) rule does not apply to this facility. How do I get off this list?	<ul style="list-style-type: none"><li>• From the attached map, contact the Waste Reduction Assistance Program (WRAP) coordinator assigned to your area to verify that the rule does not apply;</li><li>• Fill out the top of the attached sheet titled <i>Pounds Report</i>;</li><li>• Check the box above the signature line that states that the rule does not apply;</li><li>• Sign the <i>Pounds Report</i>;</li><li>• Mail the <i>Pounds Report</i> to: <b>DEQ – HWPPD/WRAP, 811 SW 6<sup>th</sup> Avenue, Portland, OR 97204</b></li></ul>
How do I get help?	Call the WRAP contact assigned to your area. Assistance is free. Your WRAP contact is identified on the attached map.
How much will I be billed for?	There is no fee due. You will not be billed.
I have questions about TRI.	Contact the TRI hot line at 800/535-0202. or Contact Tim Honadel, DEQ WRAP Coordinator, at 503/229-5316.
I have questions about TUR.	Call the WRAP contact assigned to your area. Assistance is free. Your WRAP contact is identified on the attached map.



Koppers012521

## DEQ's Waste Reduction Assistance Program (WRAP)

The Hazardous Waste Reduction Assistance Program (WRAP) can provide on-site technical assistance upon request. For more information, contact your nearest regional office. For a list of available publications, contact DEQ Headquarters at 811 SW Sixth Avenue, Portland, OR 97204; (503) 229-5913 or 1-800-452-4011.

---

### DEQ REGIONAL OFFICES

#### ■ Northwest Region

2020 SW 4th, Suite 400  
Portland, OR 97201

*Jay Collins*

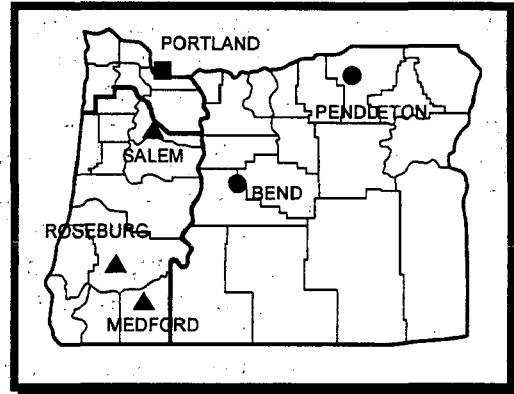
(503) 229-5165

*Kevin Masterson*

(503) 229-5615

*Dave Reveley*

(503) 229-5564



---

#### ● Eastern Region

2146 NE 4th, Suite 104  
Bend, OR 97701

*John MacKellar*

(541) 388-6146 x229

-or-

700 SE Emigrant, Suite 330  
Pendleton, OR 97801

*Barbara Minton*

(541) 278-4622

---

#### ▲ Western Region

750 Front St. NE, Suite 120  
Salem, OR 97310

*Bart Collinsworth*

(503) 378-8240 x258

*Eric Clark*

(503) 378-8240 x253

-or-

725 SE Main St.  
Roseburg, OR 97470

*Dave Livengood*

(541) 440-3338 x230

201 W Main St., Suite 2-D  
Medford, OR 97501

*Wayne Kauzlarich*

(541) 776-6010 x227

---

#### ■ Headquarters Office

811 SW 6th Avenue  
Portland OR 97204

*Tim Honadel*

(503) 229-5316

version: July 21, 1999

E:\TJHTUR\_TRI\_PBTUR\WRAP map.doc



**Waste Reduction Assistance Program**  
**WORKSHEET -- How do the TUR Requirements Affect You?**

Parts 1 & 2 of this worksheet are for your use to help you determine the applicability of the TUR rule.

**PART 1 - Large Toxics User**

Note: the list of toxic chemicals are found in 40 CFR Part 261 (July 1, 1997)

**step A**

Figure out the total pounds of toxic chemicals you used in 1998: \_\_\_\_\_

↓ continue

**step B**

Do you use over 1000 pounds of any one toxic chemical? → no, go to **step C**

↓

yes

↓

Are any of those chemicals 10% or more by weight of the total pounds from step A? → no, go to **step C**

↓

yes – you will need to write a Reduction Plan for those chemicals. Reduction Plan contents are explained in Part 4. Go to **step C**.

**step C**

Do you use over 10,000 pounds of a toxic chemical? → no, go to **Part 2 - Generator**

↓

yes - you will need to write a Reduction Plan for those chemicals & go to **Part 2 - Generator**

**PART 2 – Generator**

Note: All businesses must know which of their wastes are hazardous (OAR 340-102-011)

**step D**

How many total pounds of hazardous waste did your business generate in 1998: \_\_\_\_\_

↓

**step E**

Is your business classified as a Large Quantity Generator? → no, go to **step F**

↓

yes – write a Reduction Plan that includes each waste which is 10% or greater of the total from **step D** and go to **Part 3**.

**step F**

Is your business classified as a Small Quantity Generator? → no, go to **Part 3**

↓

yes – write a Reduction Plan that includes each hazardous waste generated by your business. Go to **Part 3**

### **PART 3 – Administrative Information Concerning the Reduction Plan**

- You reach the DEQ Headquarters office at 503/229-5316 or [honadel.tim@deq.state.or.us](mailto:honadel.tim@deq.state.or.us)
- Reduction Plans are required to be completed by September 1, 1999. Reporting is due to DEQ by September 1, 1999. Contact the headquarters office for an extension request if necessary.
- All "Large Toxics Users", LQGs, and SQGs must prepare a plan unless specifically exempted. Keep the plan at your facility. Do not send the plan to DEQ. DEQ will verify the plan during an inspection.
- The plan life must be between 5 and 10 years. After the end of the planning life, a new plan may be prepared, or the business may go "year to year" and simply continue to conduct annual evaluations and reporting.
- All "Large Toxics Users" must report the pounds of toxics used each year.
- **EXEMPTIONS** There are 4 ways to be exempt from reduction planning and annual progress report requirements. Contact the DEQ Headquarters office for more information. If your business has received an exemption in the past, keep the documentation of the exemption in your files and check the exemption box on the attached sheet – "Notice of Plan Completion." If your exemption is still valid, you do not have to reapply. Please note: there are no exemptions available for *reporting* requirements.
- These regulations can be found in the Oregon Administrative Rules at 340-135-0000 through 0110.

### **PART 4 – Reduction Plan Contents**

The contents of a Reduction Plan can be found in OAR 304-135-0050(3). Copies of this rule are available in MS Word via e-mail, on the internet, or hardcopy.

Part 5 of this worksheet will assist you in reporting to DEQ on your implementation of the TUR rule.

### **PART 5 – Reporting Requirements**

#### **Step G**

Is this the first Reduction Plan ever written for this company? → **no, go to step H**



yes – send in the attached "Notice of Plan Completion". Due to DEQ by September 1, 1999. → **stop, you are finished with this flow chart.**

#### **Step H**

If you have already completed a Reduction Plan (last year or before) and you are a Large Quantity Generator or a Large Toxics User, complete an Annual Progress Report. The due date for the Annual Progress Report is September 1, 1999. *Small Quantity Generators are not required to complete an Annual Progress Report -- go to step I.* Keep the Annual Progress Report with the plan. **Please do not send the Annual Progress Report to DEQ.** The minimum elements of an Annual Progress Report are found in OAR 340-135-0070(2). **Go to the next step (step I)**

#### **Step I**

Is your business a Large Toxic User? → **no, stop, you are finished with this flow chart.**



yes – Complete and mail the form entitled "Pounds Report". Due September 1, 1999.



## **Waste Reduction Assistance Program - Toxics Use Reduction**

### **Notice of Plan Completion**

Send this form to: DEQ – HWPPD/WRAP, 811 SW 6th Avenue, Portland, OR 97204

If your business has received an exemption, fill out the top of this form and check the exemption box below.

Name of Company: \_\_\_\_\_

Physical Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Title: \_\_\_\_\_

Phone number: \_\_\_\_\_

email address: \_\_\_\_\_

DEQ ID #: \_\_\_\_\_

*and/or*

TRI ID #: \_\_\_\_\_

SIC Code(s): \_\_\_\_\_

#### **Exemption Box:**

☐ This business has received an exemption to the Toxics Use Reduction rule. Documentation of this exemption is kept on site and is available for inspection.

Time period covered by plan:

*please check one box only*    ☐ 5 years;    ☐ 6 years;    ☐ 7 years;    ☐ 8 years;    ☐ 9 years;    ☐ 10 years

*The business identified on this form has completed a plan for reducing toxic substances and/or hazardous wastes as required by Oregon law. A copy of the plan is kept on location.*

\_\_\_\_\_  
Signature of Senior Manager or Business Owner

\_\_\_\_\_  
DATE



**Waste Reduction Assistance Program - Toxics Use Reduction**  
**Pounds Report (Large Toxic Users only)**

Send this form to: DEQ - HWPPD/WRAP, 811 SW 6th Avenue, Portland, OR 97204  
Make additional copies if more space is needed.

Name of Company: \_\_\_\_\_ SIC code(s): \_\_\_\_\_

Physical Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_

Phone number: \_\_\_\_\_ email address: \_\_\_\_\_

DEQ ID #: \_\_\_\_\_ and/or TRI ID #: \_\_\_\_\_

**\*\*You may make copies of this form if more than four spaces are needed\*\***

Chemical or Waste Name: \_\_\_\_\_

CAS # or Hazardous Waste Code: \_\_\_\_\_ Pounds used: \_\_\_\_\_

Other information: \_\_\_\_\_

Chemical or Waste Name: \_\_\_\_\_

CAS # or Hazardous Waste Code: \_\_\_\_\_ Pounds used: \_\_\_\_\_

Other information: \_\_\_\_\_

Chemical or Waste Name: \_\_\_\_\_

CAS # or Hazardous Waste Code: \_\_\_\_\_ Pounds used: \_\_\_\_\_

Other information: \_\_\_\_\_

Chemical or Waste Name: \_\_\_\_\_

CAS # or Hazardous Waste Code: \_\_\_\_\_ Pounds used: \_\_\_\_\_

Other information: \_\_\_\_\_

☐ The Toxics Use Reduction rule (OAR 340-135-000 through 0110) does not apply to this facility.

*The signature below certifies that the information above is correct:*

\_\_\_\_\_  
Signature of Senior Manager or Business Owner

\_\_\_\_\_  
DATE



PURCHASE INVOICE

Purchase Invoice Number: WQ08IND-0620

Purchase Invoice Date: 01/01/08

Page: 1

Pay  
To: OREGON ST DEPT ENVIRON QUALIT  
OR ST DEPT ENVIRO  
811 S W SIXTH AVE  
PORTLAND, OR 97204

Ship  
To: PORTLAND TERMINAL  
7540 NW Saint Helens Road  
Portland, OR 97210

Ship Via  
Receive By 02/28/08  
Terms Net 45 Days  
Vendor ID 967125006

Confirm To  
Buyer  
P.O. Number  
P.O. Date 02/28/08

Item No.	Description	Unit	Quantity	Unit Price	Total Price
	LICENSES		1	2,942.00	2,942.00

Subtotal:	2,942.00
Invoice Discount:	0.00
Total Sales Tax:	0.00
Total:	2,942.00



# Oregon

Theodore R. Kulongoski, Governor

## Department of Environmental Quality

811 SW Sixth Avenue  
Portland, OR 97204-1390  
503-229-5696  
TTY: 503-229-6993

### PAST DUE NOTICE

February 15, 2008

Koppers Industries, Inc.  
7540 NW Saint Helens Rd  
Portland OR 97210-3663

RE: Source #47430  
KOPPERS  
NWR, MULTNOMAH County

Our records indicate that the following invoice is past due:

<u>Invoice Number</u>	<u>Permit</u>	<u>Due Date</u>	<u>Invoice Amount</u>	<u>Amount Paid</u>	<u>Amount Due</u>
WQ08IND-0620	NPDES	01/31/2008	\$2,942.00	\$0.00	\$2,942.00

Please note that the Oregon Administrative Rules (OAR) 340-45-070(2) and 340-71-140(6) require timely payment of fees. If fees are not current and your facility is not in compliance, this could lead to formal enforcement actions.

Send your payment to: Department of Environmental Quality  
Attention: Business Office  
811 S.W. Sixth Avenue  
Portland, OR 97204

Please include a copy of your invoice or this reminder with your payment. If you have recently sent your payment, thank you and please disregard this notice.

If you have any questions, or need additional information, please phone (503) 229-5437, TTY 503-229-6993, fax 503-229-5408, or e-mail to: LEMENI.RodneyA@deq.state.or.us.

Sincerely,

Rodney Lemeni, Water Quality Invoice Coordinator

cc: DEQ Regional Office

PPI92700000- 618  
38512

DEQ-1

Koppers012528



# Oregon

Theodore R. Kulongoski, Governor

Fax 503 947 2333

Department of Consumer and Business Services

FEIN: 93-0952020

## STATEMENT

BCD Boiler & Pressure Vessel Safety Program

May 1, 2008

Payment Due: **Jun 30, 2008**

KOPPERS INC  
7540 NW SAINT HELENS RD  
PORTLAND OR 97210

Amount Due: **30.80**

Account #: **730003008445**

### Balance Forward

118.80

May 3, 2007 PAYMENT RECEIVED

-118.80

May 1, 2008 PERMIT #: 0000031422. NB/STATE #: ST1142-66.  
DESCRIPTION: SCOTCH MAR 07/01/08-06/30/2009. CODE: P1L.  
TYPE: PERMITS.  
LOCATION: 7540 NW ST HELENS RD PORTLAND.  
REFERENCE: 90041757801.

30.80

Total Due

30.80

SITE INFORMATION: KOPPERS INC  
7540 NW SAINT HELENS RD, PORTLAND OR 97210

If paying less than the full amount, please return a copy of  
the billing notice and explain the changes. Vessels

To ensure proper credit, detach stub and return in the envelope provided.

If name or address is incorrect, please make changes below.

KOPPERS INC  
7540 NW SAINT HELENS RD  
PORTLAND OR 97210

☒ VISA ☐ MasterCard ☐ Discover

Make check payable and remit to:

DEPARTMENT OF CONSUMER & BUSINESS SERVICES  
FISCAL SERVICES SECTION  
PO BOX 14610  
SALEM OR 97309-0445

4715 1500 0224 3658	03/09
<small>Credit Card Number</small>	<small>Expiration Date</small>
<i>TJ. Turner</i>	
<small>Name of Cardholder as shown on credit card</small>	
<i>[Signature]</i>	30.80
<small>Cardholder Signature</small>	<small>Total</small>

Do not write below this line

Do not write below this line

Do not write below this line

Questions? Call Crystal @ (503) 373-7538

73000300844500000030809

Koppers012529



# Oregon

Theodore R. Kulongoski, Governor

## Department of Consumer and Business Services

FEIN: 93-0952020

Page 2

disconnected and removed from service do not need to be permitted. AMOUNT DUE WILL INCREASE BY 50% IF NOT PAID IN FULL BY DUE DATE. NO GRACE PERIOD.

For Permit/inspection questions, Call (503) 373-7538, For

Payment/Balance due questions, Call (503) 378-4453

PURCHASE INVOICE

Purchase Invoice Number: AQCDP08-004

Purchase Invoice Date: 10/22/07

Page: 1

Pay  
To: OREGON ST DEPT ENVIRON QUALIT  
OR ST DEPT ENVIRO  
811 S W SIXTH AVE  
PORTLAND, OR 97204

Ship  
To: PORTLAND TERMINAL  
7540 NW Saint Helens Road  
Portland, OR 97210

Ship Via  
Receive By 10/30/07  
Terms Net 45 Days  
Vendor ID 967125006

Confirm To  
Buyer  
P.O. Number  
P.O. Date 10/30/07

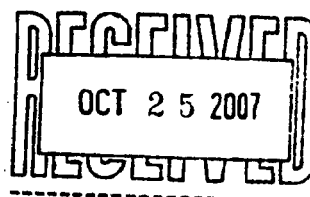
Item No.	Description	Unit	Quantity	Unit Price	Total Price
	LICENSES		1	3,840.00	3,840.00

Subtotal:	3,840.00
Invoice Discount:	0.00
Total Sales Tax:	0.00
Total:	3,840.00



State of Oregon  
Department of Environmental Quality

INVOICE  
AIR CONTAMINANT DISCHARGE PERMIT ANNUAL FEE



To: Koppers Industries Inc.  
436 7th Ave  
Pittsburgh, PA 15219-1826 USA

Invoice Number: AQCDP08-0048

Invoice Date : 10/22/2007

Due Date: 12/1/2007

Permit Number: 26-2930-SI-01

Location:  
Koppers Industries, Inc.  
7540 NW SAINT HELENS RD  
PORTLAND, OR 97229

Fees In accordance with OAR 340-216-0020, Table 2, Part 2

ITEM	AMOUNT DUE	DATE DUE
Simple ACDP - Low Fee Annual Fee (for 01/01/2008 to 12/31/2008)	\$1,920.00	
Simple ACDP - Add on for High Fee Annual Fee (for 01/10/2008 to 12/31/2008)	\$1,920.00	
<b>TOTAL</b>	<b>\$3,840.00</b>	<b>12/1/2007</b>
<b>TOTAL DUE with 7 Day Late Fee</b>	<b>\$4,032.00</b>	<b>12/8/2007</b>
<b>TOTAL DUE with 30 Day Late Fee</b>	<b>\$4,224.00</b>	<b>12/31/2007</b>
<b>TOTAL DUE with 60 Day Late Fee</b>	<b>\$4,608.00</b>	<b>1/30/2008</b>

Questions? Contact DEQ Air Quality Program Operations at 503 229-5108, 800 452-4011 (Oregon Only), (TTY) 503 229-6993

DEQ Copy

Cut here and return bottom portion with payment

Remit and make checks payable to:

Department of Environmental Quality  
Attn: Accounting Office  
811 SW Sixth Avenue  
Portland, OR 97204-1390

Invoice Number: AQCDP08-0048

Amount Due: \$3,840.00

Amount Enclosed:

Facility Name : Koppers Industries, Inc.

Permit Number : 26-2930-SI-01

Region : NWR



Check here if your Name, Ownership, or Invoice Address has changed and write your new information on the back of this payment slip.

10040-11110-8105

\$3,840.00



\*AQCDP08-0048\*

PPI9270000-

448  
32165

Koppers012532

## Declaration Form for Simple ACDP Permit Holders

Instructions: Simple Air Contaminant Discharge Permits are divided into two fee categories, high fee and low fee. In order to continue to qualify for the low fee category, the permittee must meet the low fee criteria for twelve months prior to invoicing **and must certify that their estimated emissions for the coming year will meet the low fee criteria.** All Simple ACDP sources are being invoiced at the high fee of \$3,840 for 2008 Annual Fees. The Department requires that low fee category sources send this Declaration in along with their payment in order to pay the reduced fee of \$1,920. Certification must be renewed every year. The criteria to qualify for the low fee are defined in OAR 340-216-0064. If you will not meet the low fee criteria for 2007 or if you estimate that your 2008 emissions will exceed the low fee criteria, pay the full invoice amount.

Contact Gregg Dahmen at (503) 229-5108 if you have questions.

### **A Source may qualify for the Low Fee if:**

(A) the source is, or will be, permitted under only one of the following categories from OAR 340-216-0020 Table 1, Part B (category 25. Electric Power Generation, may be included with any category listed); Category 6. Asphalt felt and coatings; or Category 12. Boilers and other fuel burning equipment; or Category 30. Galvanizing & Pipe coating; or Category 36. Gray iron and steel foundries, malleable iron foundries, steel investment foundries, steel foundries 100 or more tons/yr. metal charged (not elsewhere identified); or Category 37. Gypsum products; or Category 41. Liquid Storage Tanks subject to OAR Division 232; or Category 50. Non-Ferrous Metal Foundries 100 or more tons/yr. of metal charged; or Category 51. Organic or Inorganic Industrial Chemical Manufacturing; or Category 63. Secondary Smelting and/or Refining of Ferrous and Non-Ferrous Metals; or Category 75. All Other Sources not listed in Table 1 which would have actual emissions, if the source were to operate uncontrolled, of 5 or more tons a year of PM<sub>10</sub> if located in a PM<sub>10</sub> non-attainment or maintenance area, or 10 or more tons of any single criteria pollutant in any part of the state; and

(B) The actual emissions from the 12 months immediately preceding the invoice date, and future projected emissions are less than 5 tons/yr. PM<sub>10</sub> in a PM<sub>10</sub> nonattainment or maintenance area, and less than 10 tons/yr. for each criteria pollutant; and

(C) The source is not considered an air quality problem or nuisance source by the Department.

-----Send Declaration with Payment-----

Company \_\_\_\_\_ ACDP Permit No. \_\_\_\_\_ Date \_\_\_\_\_

*I certify that our facility meets the requirements for the low fee category, and further certify that our criteria emissions in the past twelve months, and our projected annual emissions for 2008, meet the Low Fee requirements of OAR 340-216-0064. Should our emissions exceed the limits in the future, we will be subject to collection of corrected fees, including penalties and interest as applicable.*

Certified By:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature



# Oregon

Theodore R. Kulongoski, Governor

Department of Consumer and Business Services

FEIN: 93-0952020

## STATEMENT

BCD Boiler & Pressure Vessel Safety Program

May 1, 2007

KOPPERS INDUSTRIES INC  
7540 NW SAINT HELENS RD  
PORTLAND OR 97210

Payment Due **Jun 30, 2007**

Amount Due **118.80**

Account Number

**730003008445**

	<b>Balance Forward</b>	29.70
Jun 22, 2006	PAYMENT RECEIVED	-29.70
May 1, 2007	PERMIT #: 0000000295. NB/STATE #: STX6366-70X. DESCRIPTION: AIR TANK 07/01/07-06/30/2009. CODE: U2S. TYPE: PERMITS. LOCATION: 7540 NW ST HELENS RD PORTLAND. REFERENCE: 90039142601.	29.70
May 1, 2007	PERMIT #: 0000031422. NB/STATE #: ST1142-66. DESCRIPTION: SCOTCH MAR 07/01/07-06/30/2008. CODE: P1L. TYPE: PERMITS. LOCATION: 7540 NW ST HELENS RD PORTLAND. REFERENCE: 90039142701.	29.70
May 1, 2007	PERMIT #: 0000075046. NB/STATE #: NB52. DESCRIPTION: OIL RESERV 07/01/07-06/30/2009. CODE: U2E.	29.70

*paid 5/1/07*

Koppers012534





# Oregon

Theodore R. Kulongoski, Governor

Department of Consumer and Business Services

FEIN: 93-0952020

Page 2

TYPE: PERMITS.

LOCATION: CONTROL ROOM AREA.

REFERENCE: 90039142801.

May 1, 2007

PERMIT #: 0000081302. NB/STATE #: NB773874.

29.70

DESCRIPTION: AIR TANK 07/01/07-06/30/2009. CODE: U2S.

TYPE: PERMITS.

LOCATION: OS MAINTAINENCE SHOP.

REFERENCE: 90039142901.

Total Due

118.80

SITE INFORMATION: KOPPERS INDUSTRIES INC

7540 NW SAINT HELENS RD, PORTLAND OR 97210

If paying less than the full amount, please return a copy of the billing notice and explain the changes. Vessels disconnected and removed from service do not need to be permitted. AMOUNT DUE WILL INCREASE BY 50% IF NOT PAID IN FULL BY DUE DATE. NO GRACE PERIOD.

FOR PERMIT/INSPECTION QUESTIONS, CALL (503) 373-7538.

FOR PAYMENT/BALANCE DUE QUESTIONS, CALL (503) 378-4453.



Koppers012535

To ensure proper credit, detach stub and return in the envelope provided.

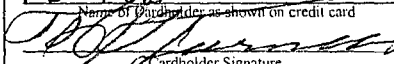
If name or address is incorrect, please make changes below.

KOPPERS ~~INC~~ INC  
7540 NW SAINT HELENS RD  
PORTLAND OR 97210

☒ VISA ☐ MasterCard ☐ Discover

Make check payable and remit to:

DEPARTMENT OF CONSUMER & BUSINESS SERVICES  
FISCAL SERVICES SECTION  
PO BOX 14610  
SALEM OR 97309-0445

4715 1500 0224 3658	03/09
<small>Credit Card Number</small>	<small>Expiration Date</small>
TJ Turner	
<small>Name of Purchaser as shown on credit card</small>	
	\$ 118 <sup>80</sup>
<small>Cardholder Signature</small>	<small>Total</small>

Do not write below this line

Do not write below this line

Do not write below this line

Questions? Call Crystal @ (503) 373-7538

73000300844500000118802

Koppers012536

## Kamerer Amos

---

**From:** Cilley Mark  
**Sent:** Thursday, April 19, 2001 10:26 AM  
**To:** Kamerer Amos; Self Traci  
**Cc:** 'Jill Merrill (E-mail)'  
**Subject:** RE: SARA Reports

Amos:

You are correct. There are three criteria that must be met to require reporting (you must meet all of them to be required to report). The first requirement is:

Have 10 or more full-time employees or their equivalent (i.e., a total of 20,000 hours or greater).

Since you are under 20,000 hours you do not have to report.

Mark

-----Original Message-----

**From:** Kamerer Amos  
**Sent:** Thursday, April 19, 2001 12:22 PM  
**To:** Self Traci  
**Cc:** Cilley Mark; Jill Merrill (E-mail)  
**Subject:** SARA Reports

Traci,

Just thinking, Portland only worked 19,428 hours in year 2000, and my estimate for year 2001 will be something less than 16,000 hours.

Isn't the trigger number for having to report the form R 20,000 hours or more? Thus, do we need to submit a report for year 2000?

Let me know.

Amos

# KOPPERS

7540 N.W. St. Helens Rd.  
Portland, Oregon 97210  
Phone: (503) 286-3681  
Fax: (503) 285-2831  
E-mail: amos\_kamerer@koppers.com

6/16/00

Kim Cox, ACCI

Here's the balance of what  
you requested.

Advise if you need anything

Additional —

Amos

AMOS S. KAMERER

# KOPPERS

7540 N.W. St. Helens Rd.  
Portland, Oregon 97210  
Phone: (503) 286-3681  
Fax: (503) 285-2831  
E-mail: amos\_kamerer@koppers.com

6/16/00

## Production Projection

<u>YEAR</u>	<u>gallons</u> <u>pitch</u>	<u>Heavy oil</u>
2000	8,572,727	97,670
2001	10,363,636	105,986

AMOS S. KAMERER

Projections

	<u>2000</u>		<u>June</u>	<u>July/Dec:</u>	<u>Total</u>
Pitch	MAY 170	23,874 TONS	3776	19500	= 47,150
H. oil	"	426,150 #			

\* ENVOI 2100/mo = K/m 1150/mo = 3250/mo.

Pitch  $47,150 \times 2000 = 93,300,000 \div 11 = 8,572,727 \text{ gals.}$   
H. oil  $426,150 \div 9.6 = 44,391 \text{ gals.}$   
 $23,874 \text{ TONS pitch} = 4,340,727 \text{ gals.}$  }  $.0102267 \text{ HO to pitch}$   
Pitch  $\xrightarrow{\quad\quad\quad} 8,572,727 \text{ gals.}$   
2000  $\times .0102267$   
H. oil  $\xrightarrow{\quad\quad\quad} 87,670 \text{ gals.}$

2001  
Pitch > Est. back to NORMAL 4750 TON/mo = 57,000 TONS  
= 10,363,636 gals  
 $\times .0102267$

H. oil 105,986 gals.

No effect from T.O., still need HO for S.P. & S.

*last year PAT's only?*

OK

3. 1999 wastewater discharge monitoring reports and wastewater analysis
4. Information (description and amount) of any other recycling activities?
5. Hazardous waste shipments
  - Type of hazardous waste shipped in 1999
  - Quantity of waste
  - Address and name of sites where waste was sent and description of how it was treated. ? Don't know.

Miscellaneous Information

1. Projected production for 2000 and 2001 - *Pitch + Heavy oil*
2. Have there been any process changes since the 1998 inventory?
3. Has any control equipment been added/removed since 1998 inventory? If s, when?
4. Any spills/catastrophic releases in 1999?

If you have any questions or comments, please give me a call at 412 826-3636

**Date:** 1/21/00 12:03 PM  
**Sender:** Amos Kamerer  
**To:** Mark Cilley  
**cc:** Traci Self  
**Priority:** Normal  
**Subject:** Air permit report data

---

Mark,

Separately, I have faxed you the through put for the terminal during 1999.

Additionally, I have calculated that we worked a total of 6,552 hours and used 584,419 therms of natural gas.

The modifications to the fume recovery system are as follows:

Replaced the steam heating coils in the fume tanks with an electric impedance heating element.

Insulated the fume tank.

Added the demister to the fume tank exhaust stack.

The steam boiler is a 21 MM Btu/hr input.

The old hot oil heater is a 8 MM Btu/hr input.

The new hot oil heater is a 10 MM Btu/hr input.

I think that this covers everything that you asked for, if not, let me know.

Amos



left tank  
transit

Make

Thermostat

CTP  
HO

Esso.

pumping  
Time & Amount  
temp.

Open hoses of Boiler  
Side of burner

Open days

→ Also Hot oil heaters

Pump tank modifications

- 
- ~~create and store heat from all pump lines~~
  - replace steam heating on the pump tank with electric  
impedance heating
  - insulate the pump tank
  - Add the demister to the pump tank exhaust stack

<u>1999</u>	<u>Days wanted</u>	<u>Therms used</u>
January	21	52,060
Feb.	20	53,500
March	23	54,500
April	22	44,000
MAY	22	50,500
June	23	48,250
July	22	36,050
Aug	25	50,190
Sept.	26	47,500
Oct.	23	49,250
Nov.	20	38,998
Dec.	26	59,021
	<u>273 Days</u>	<u>584,419</u>
	<u>X 24</u>	
	6,552 hours	

1999

Through put

Commodity	1	2 Opening	3	4 Receipts	5	6 Closing	7	8	9	10	11	12	13
H. oil	1	319,092		774,100		610,106		483,086	÷ 9.6 =	50,321	gals		
Crude oil	2	116,415		0		0		116,415	÷ 9 =	12,935	"		
Intalco	3	3,981,030		58,115,000		9,131,250		49,964,780					
Stickney Liquid Pitch	4	0		707,950		531,350		126,600					
Chinese Pitch	5	1,736,343		11,406,525		562,327		12,580,541		126,620	303 #		
Korean Pitch	6	4,292,877		61,729,800		5,943,685		60,078,992		11,510	937 gals		
" " - Liquid	7	0		10,329,822		7,742,532		2,578,290					
Resin Liquid	8	891,500		0		0		891,500					
Follansbee-Petrols	9	173,700		344,700		158,800		359,600					
	10			139,634	992 #								
	11			69,812	tons								
	12			12,693,163	gals								
	13												
	14												
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28												
	29												
	30												
	31												

T-68

Intalco &

K/Intalco

49,964,780

9,149,922

59,114,702 #

5,374,064 gal.

Maximum Qty. Pitch

JAN. 1999

33,342,434 #

3,031,130 gals

1999Through put

Opening		Closing										
Commodity	1	2 INV.	3	Receipts	5	Payments	8	9	10	11	12	13
	1											
H. oil	2	319,092		774,100		610,106	483,086					
	3											
Gasoline	4	116,415		0		0	116,415					
	5											
INTALCO	6	3,981,030		58,115,000		9,131,250	49,964,780					
	7											
Stickney liquid pitch	8	0		707,950		531,350	176,600					
	9											
Chinese pitch	10	1,736,343		11,406,525		562,327	12,580,541					
	11											
Korean Pitch pencils	12	4,292,877		61,729,800		5,943,685	60,078,992					
	13											
" " - liquid	14	0		10,329,822		7,742,532	2,578,290					
	15											
Reilly liquid	16	991,500		0		0	891,500					
	17											
Follansbee pencils	18	173,700		344,700		158,800	359,600					
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											
	30											
	31											

**FACILITY INFORMATION:****TRI Facility Identification No:** 97210KPPRS7540N**Primary Facility Name and Address:**KOPPERS INDS. INC. PORTLAND TAR PLANT  
7540 N.W. ST. HELENS RD.  
PORTLAND, COUNTY:MULTNOMAH OR 97210-3663**Technical Contact Name:** MR. AMOS KAMERER**Public Contact Name:** MR. AMOS KAMERER**Latitude:** 045-34-52**Facility Type (Federal/GOCO/Commercial):** COMMERCIAL**Name of Parent Company:** KOPPERS INDS. INC.**Parent Company Dun & Bradstreet No:** 196991582

SIC Code	Facility Dun & Bradstreet No	EPCRA (RCRA No.)
<u>2865</u>	<u>027734359</u>	<u>ORD027734359</u>
<u>NA</u>	<u>NA</u>	<u>NA</u>

**Internal Use - Facility ID:** 39512**Mailing Address:**NA**Telephone No:** 503-286-3681**Telephone No:** 503-286-3681**Longitude:** 122-45-28

Facility NPDES No
<u>OR0101003</u>
<u>NA</u>

Underground Injection Well Code(s):
<u>NA</u>

**CHEMICAL REPORTS FOR THIS FACILITY OR ESTABLISHMENT:**

For Internal Use			
Document Control Number	13-98-120-17642-5	Post Mark Date	1999-06-29
File Number	DD-99-00006147-7	Received (EPCRAR) Date	1999-07-02

**PART I:**1.0 Reporting Year: 19982.0 Trade Secret Information:      2.1 Trade Secret: NO      2.2 Sanitized: NO3.0 Certification:      Official Name: MR. AMOS KAMERER      Title: PLANT MANAGER  
Date Signed: 1999-06-304.2 This Report Contains Information for:      4.5 SIC Code(s): 2865a. An entire facility: YESb. Part of a facility: NOc. A Federal Facility: NO**PART II**

1.0. Toxic Chemical Identity:

1.1. CAS Number or Chemical Category Code: 1201271.2. Toxic Chemical or Chemical Category Name: ANTHRACENE1.3. Generic Chemical Name: NA

2.0. Mixture Component Identity

2.1. Generic Chemical Name Provided By Supplier: NA

3.0 Activities and Uses of the Toxic Chemical at the Facility:

3.1 Manufacture the toxic chemical:

If Produce or Import:

A. Produce: YESC. For on-site use/processing: NOB. Import: NOD. For Sale/distribution: NOE. As a byproduct: NOF. As an Impurity: YES

3.2. Process the toxic chemical:

A. As a reactant: NOB. As a formulation component: NOC. As an article component: YESD. Repackaging: NO

3.3. Otherwise use the toxic chemical:

A. As a chemical processing aid: NOB. As a manufacture aid: NOC. Ancillary or other use: NO4.1. Maximum Amount of the Toxic Chemical On-Site at any Time During the Year: 05

Range from 100000 To 999999 (lb)

5.0 Quantity of the Toxic Chemical Entering Each Environmental Medium On-site

Air Emissions

A. Total  
ReleaseB. Basis of  
Estimate

5.1 FUGITIVE OR NON-POINT AIR EMISSIONS

2E-PUBLISHED EMISSION FACTORS

5.2 STACK OR POINT AIR EMISSIONS

203E-PUBLISHED EMISSION FACTORS5.3 Discharges to Receiving Streams or Water Bodies  
Stream or water body name:A. Total  
ReleaseB. Basis of  
EstimateC. % from  
Stormwater5.3.1 NA0.00

# **Inventory Update Rule (IUR) 2002**

**Toxic Substances Control Act (TSCA)**

**KOPPERS**  
**INDUSTRIES**

# **Inventory Update Rule (IUR) 2002**

- **Is repeated every four years – we last reported in 1998.**
- **Report for the previous year, for 2002 reporting, we shall submit information for the period January 1 – December 31, 2001.**
- **Can submit via hardcopy or e-filing.**



# **Inventory Update Rule (IUR) 2002**

- **The reporting period starts August 25, 2002 and closes December 23, 2002. (Even the EPA wants Christmas off)**
- **The forms and instructions for 2002 are not yet available.**
- **As this is an update of the plant inventory, review the 1998 forms and start to gather data for the 2002 report.**

<b>EPA</b> 1988 <b>U</b>	U.S. Environmental Protection Agency Washington, D.C. 20460 Partial Updating of TSCA Inventory Data Base Electronic Form Printout	<b>1998</b>	<b>REPORT NUMBER</b>  
--------------------------------	--	-------------	------------------------------

<b>Signature</b>		<b>Name/Title:</b> YOU R. SMART	
<b>Technical Contact</b>	<b>Date</b>	<b>Plant Site</b>	
TECHIE MOQUEEN	/ /	YOUR SITE	
<b>Company Name</b>	<b>City</b>	<b>Dun &amp; Bradstreet Number</b>	<b>Facility Id</b>
KOPPERS	NV	34-555	For EPA Use Only
<b>Company Address Line 1</b>	<b>State</b>	<b>Plant Site Street Address Line 1</b>	
4404 KOPPERS STREET	NV	4405 KOPPERS STREET	
<b>Company Address Line 2</b>	<b>City</b>	<b>Plant Site Street Address Line 2</b>	
	EAST LOST CAUSE		
<b>Zip Code</b>	<b>Telephone</b>	<b>Zip Code</b>	
10000 - 4500	555-669-1212	10000 - 4501	

CHEMICAL SUBSTANCE IDENTITY/ACTIVITY/CONFIDENTIALITY									
Identifying No.	Code	M/I	CBI	SL	CBI	Production Volume	CBI	PLNT-CBI	CHEM-CBI
1	55-32-0	C	M			400,000			
Dimethylchickenwire									
0						0			
0						0			
0						0			
0						0			
0						0			
0						0			
0						0			
0						0			
0						0			
0						0			
0						0			
0						0			
0						0			
0						0			

# 1998 Reporting Form

- The forms for 2002 are expected to be a similar layout and collect similar data.

**KOPPERS**  
**INDUSTRIES**

# **Inventory Update Rule (IUR) 2002**

- **The 2002 e-filing and hardcopy report will be forwarded to you as soon as available.**
- **As an aid, use the 1998 reports as a guide.**
- **You will be responsible for gathering raw data, I shall prepare and send the report to the EPA.**

United States Environmental Protection Agency Partial Updating of TSCA Inventory Data Base Production and SRA Report (Section 8(a) Toxic Substances Control Act 15 USC 2607)		1998 Form Approved OMB 3075-0070 REPORT NUMBER <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 2px;"> <b>U</b> </div> <div> <b>Continuation/Correction Form</b>  <small>Continuation Statement: I hereby certify to the best of my knowledge and belief that (1) all information entered on this form is accurate and complete, and (2) the confidentiality markings on the back of this form are true and correct as to the information for which I have entered a confidentiality claim.</small> </div> </div>		
SIGNATURE: <u>Kevin J. Fitzgerald</u> DATE: <u>12/2/98</u>		PRODUCT/TYPE OF GOOD: <u>Carbon Matl</u> NAME: <u>Kevin J. Fitzgerald/V.P. &amp; Gen. Mgr. - Chem. Div.</u>
COMPANY NAME: <u>Koppers Industries, Inc.</u> ADDRESS: <u>436 Seventh Avenue</u> CITY: <u>Pittsburgh</u> STATE: <u>PA</u> ZIP: <u>15219</u> TELEPHONE: <u>412-227-2884</u>		COMPANY NAME: <u>Koppers Industries, Inc.</u> ADDRESS: <u>7540 NW St. Helens Road</u> CITY: <u>Portland</u> STATE: <u>OR</u> ZIP: <u>97210</u> TELEPHONE: <u>503-355-3553</u>
<b>CHEMICAL SUBSTANCE IDENTITY/ACTIVITY/CONFIDENTIALITY</b>		
1	A. Identifying Number: <u>65996-93-2</u> B. Chemical Name: <u>Coal Tar Pitch</u> C. CAS Number: <u>C</u>	D. Activity: <input checked="" type="checkbox"/> <u>Prod</u> <input type="checkbox"/> <u>Imp</u> <input type="checkbox"/> <u>Use</u> E. Risk: <input type="checkbox"/> <u>Low</u> <input type="checkbox"/> <u>Med</u> <input type="checkbox"/> <u>High</u> F. Production Volume: <u>51,500,000</u> G. Use: <input type="checkbox"/> <u>Prod</u> <input type="checkbox"/> <u>Imp</u> <input type="checkbox"/> <u>Use</u> H. Confidentiality: <input type="checkbox"/> <u>Yes</u> <input type="checkbox"/> <u>No</u>
2		
3		
4		
5		
6		
7		
8		
9		
10		

EPA Form 7500-2 (9-87) CONFIDENTIALITY: Before completing this form, carefully study the accompanying instructions. TYPE or PRINT



Koppers Industries, Inc.  
436 Seventh Avenue  
Pittsburgh, PA 15219-1800

**CERTIFIED MAIL – RETURN RECEIPT**

Telephone: (412) 227-2001  
Fax: (412) 227-2423

Dec. 2, 1998

OPPT Document Control Officer  
U. S. Environmental Protection Agency  
Office of Pollution Prevention and Toxics (7407)  
401 M Street, S.W.  
Washington, D. C. 20460

**RECEIVED**

DEC 10 1998

**KOPPERS INDS, INC.  
PORTLAND OR**

**ATTN: INVENTORY UPDATE RULE**

Dear Sir:

Your will find enclosed individual completed forms (Form U) which comprise the Koppers Industries, Inc. 1998 response to the TSCA Section 8(a) rule for the partial updating of the TSCA Chemical Inventory Data Base.

These forms have been completed for each of the following applicable plant sites under Koppers control:

Koppers Plant Site

Cicero, IL  
Clairton, PA  
1835 Koppers Drive, Dolomite, AL  
2134 Koppers Drive, Dolomite, AL  
Follansbee, WV  
Monessen, PA  
Portland, OR

We trust that the enclosed information satisfies our requirements for the Chemical Inventory Update due this year. Please do not hesitate to call me at (412-227-2884) if there are any questions or need for additional information.

Sincerely,

bc: R.Collins - K-1700  
K.Fitzgerald - K-1600  
M.Mancione - Stickney  
D.Wible - Clairton  
R.Morris - Woodward Tar  
T.Golubic - Follansbee  
J.Burkhart - Monessen  
A. Kameron - Portland  
M.Cilley - Stickney  
S. Lish - Follansbee  
G. Shamitko - Monessen  
J. Kunkle - K-1600

  
John E. Marcinowski, Manager  
Community & Regulatory Programs

Koppers012555



FAX TRANSMITTAL

Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

Telephone: 503-286-3681  
Fax: 503-285-2831

TO: J. Marciniowski


DATE: 11/13/98

FROM: Amos

TOTAL # OF PAGES: 2

ATTACHED is the TASCA/PUR info.

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

 <b>FORM U</b>	<b>United States</b> <b>Environmental Protection Agency</b> Washington, DC 20460 <b>Partial Updating of TSCA Inventory Data Base</b> <b>Production and Site Report</b> (Section 8(a) Toxic Substances Control Act 15 USC 2607)	<b>1998</b>	Form Approved OMB 2070-0070
			<b>REPORT NUMBER</b>
<small>Certification Statement: I hereby certify to the best of my knowledge and belief that (1) all information entered on this form is complete and accurate; and (2) the confidentiality statements on the back of this form are true and correct as to that information for which I have received a confidentiality claim.</small>			
SIGNATURE		DATE	NAME/TITLE (Type or Print)
<b>TECHNICAL CONTACT NAME</b>			
COMPANY NAME		CBI	
COMPANY ADDRESS LINE 1			
COMPANY ADDRESS LINE 2			
CITY		STATE	
ZIP CODE		TELEPHONE (include Code)	
<b>PLANT SITE NAME</b>			
KOPPERS INDUSTRIES, INC.			
DUN & BRADSTREET NUMBER		FACILITY ID NUMBER	
02 - 773 - 4359			
PLANT SITE STREET ADDRESS LINE 1			
7540 N.W. SAINT HELENS ROAD			
PLANT SITE STREET ADDRESS LINE 2			
CITY		STATE	
PORTLAND		OR	
ZIP CODE			
97210		3663	

CHEMICAL SUBSTANCE IDENTITY/ACTIVITY/CONFIDENTIALITY									
A.	B. Identifying Number	C. ID Code (See back of form)	D. Activity M or I	E. Site Limited	F. Production Volume in Pounds	G. Plant CBI	Chemical CBI		
1	65996-93-2	C	I		83,556,000				
	COAL TAR PITCH								
2									
3									
4									
5									
6									
7									
8									
9									
10									

PORTLAND PITCH INVENTORY IN SHORT TONS	1997 JANUARY ACTUAL	1997 FEBRUARY ACTUAL	1997 MARCH ACTUAL	1997 APRIL ACTUAL	1997 MAY ACTUAL	1997 JUNE ACTUAL	1997 JULY ACTUAL	1997 AUGUST ACTUAL	1997 SEPTEMBER ACTUAL	1997 OCTOBER ACTUAL	1997 NOVEMBER ACTUAL	1997 DECEMBER ACTUAL	1998 JANUARY ESTIMATE	1998 FEBRUARY ESTIMATE
<b>CHINESE</b>														
OPENING INV.	4936	4699	3314	2641	1554	338	2659	2069	1816	4145	3523	3230	1666	1146
USAGE	237	884	673	1087	1216	1399	590	253	532	622	293	1564	520	625
OTHER	0	501	0	0	0	0	0	0	0	0	0	0	0	0
RECEIPTS	0	0	0	0	0	3720	0	0	2861	0	0	0	0	5222
CLOSING INV.	4699	3314	2641	1554	338	2659	2069	1816	4145	3523	3230	1666	1146	5743
<b>KOREAN</b>														
OPENING INV.	343	4916	2045	7486	5171	2850	97	4207	2675	-852	4041	2164	5308	10042
USAGE	2041	2871	1173	2315	2321	2753	2504	1532	3687	1721	1877	3470	1880	2220
RECEIPTS	6614	0	6614	0	0	0	6614	0	160	6614	0	6614	6614	0
CLOSING INV.	4916	2045	7486	5171	2850	97	4207	2675	-852	4041	2164	5308	10042	7822
<b>REILLY</b>														
OPENING INV.	0	0	99	85	96	92	0	90	92	0	0	265	182	176
USAGE	0	171	99	163	182	270	90	179	264	182	0	177	182	176
RECEIPTS	0	270	85	174	178	178	180	181	172	182	265	94	176	176
CLOSING INV.	0	99	85	96	92	0	90	92	0	0	265	182	176	176
<b>MELTER</b>														
OPENING INV.	3157	2080	3020	2081	1864	1962	3274	2800	1685	3134	3152	2336	3092	2538
SHIPMENTS	3333	2949	2782	3630	3448	3039	3654	3055	3023	2464	2980	3915	3130	3040
PRODUCTION	2256	3889	1843	3413	3546	4351	3180	1940	4472	2482	2164	4671	2576	3040
									0					
CLOSING INV.	2080	3020	2081	1864	1962	3274	2800	1685	3134	3152	2336	3092	2538	2538
<b>TOTAL</b>														
OPENING INV.	8436	11695	8478	12293	8685	5242	6030	9166	6268	6427	10716	7995	10248	13902
USAGE	5611	7376	4727	7195	7167	7461	6838	5019	7506	4989	5150	9126	5712	6061
RECEIPTS	8870	4159	8542	3587	3724	8249	9974	2121	7665	9278	2429	11379	9366	8438
CLOSING INV.	11695	8478	12293	8685	5242	6030	9166	6268	6427	10716	7995	10248	13902	16279

<b>VANALCO</b>														
OPENING INV.	2653	1510	521	0	0	0	0	0	0	1967	1404	419	0	0
USAGE	1143	989	521	0	0	0	0	0	0	563	985	998	0	0
RECEIPTS	0	0	0	0	0	0	0	0	1967	0	0	579	0	1392
												0		
CLOSING INV.	1510	521	0	0	0	0	0	0	1967	1404	419	0	0	1392

01/06/98

DEC.97

TOTAL = 41,778 TONS = 83,536,000 #

CC: K.FITZGERALD, J.KUNKLE, W.PLOVIC, K.REGEL, W.TURNER, T.J.TURNER

Koppers012558



**KOPPERS  
INDUSTRIES****INTEROFFICE CORRESPONDENCE**

**To:** SEE DISTRIBUTION  
**Location:** AS INDICATED  
**Subject:** 1998 TSCA INVENTORY  
UPDATE RULE (IUR)

**From:** John E. Marcinowski  
**Location:** K-1800  
**Date:** Sep. 25, 1998

**SUMMARY**

On June 12, 1986, EPA promulgated a rule referred to as the Inventory Update Rule under the authority of section 8(a) of TSCA requiring manufacturers and importers of certain chemical substances included on the TSCA Chemical Substance Inventory to report current data on the production volume, plant site, and site-limited status of the substances. After the initial reporting during 1986, recurring reporting is required every 4 years. A second reporting cycle took place in 1990 and a third in 1994. The IURs for 1998 are required by December 23, 1998. The information to be reported and Form U are same as in 1994.

For your convenience, I have included copies of your plant's 1994 update to utilize in completing your 1998 Form U. The current data to be reported is limited to products manufactured or imported at your site in excess of 10,000 pounds during the last corporate fiscal year which ends prior to Aug. 25, 1998, i.e., January 1, 1997 - December 31, 1997.

**EXEMPTIONS**

There are several substances that are exempt from reporting; i.e., polymers, inorganics, microorganisms, naturally occurring substances, mixtures, nuclear material and pesticides.

For your information, a mixture is defined as:

*"Mixture" means any combination of two or more chemical substances if the combination does not occur in nature and is not, in whole or in part, the result of chemical reaction; except that "mixture" does include: (1) any combination which occurs, in whole or in part, as a result of a chemical reaction if the combination could have been manufactured for commercial purposes without a chemical reaction at the time the chemical substances comprising the combination were combined and if, after the effective date or premanufacture notification requirements, none of the chemical substances comprising the combination is a new chemical substance, and (2) hydrates of a chemical substance or hydrated ions formed by association of a chemical substance with water.*

in addition to the substance exemptions, there is also a substance/plant site exemption on production or import volume - substances that are manufactured or less than 10,000 pounds per year at a single site are exempt from reporting

(2)

**SPECIFIC ACTIONS**

Except for the above listed exemptions, all substances manufactured at your plant are subject to reporting on Form U. Each plant should have received a copy of the Updating Package and new Form U. However, I am providing work copies with this letter for your use regardless if you have received your own copy. The information to be reported is as follows:

- Block B -** *The substance Identifying Number - refer to the attached 1994 form for appropriate numbers. (Note: As reported in '94, K-364 or Pavement Sealer Base should be included with your coal tar pitch production volume - CAS number 65996-93-2.)*
- Block C -** *ID code - use the letter "C" for CAS No. or "F" for original inventory form numbers.*
- Block D -** *Activity - use "M" for manufacture or "I" for import.*
- Block E -** *Site Limited - if you manufacture the chemical substance at your plant site and do not distribute the chemical substance or any mixture containing that substance outside the plant site for commercial purposes, enter "X" in the box. (Imported substances cannot be site-limited.)*
- Block F -** *Product Volume in Pounds - if you both manufacture and import a particular substance, report the manufacture and import volumes separately, on two lines.*
- Block G -** *All Confidential Business Information (CBI) boxes will be left blank since no CBI claims were made in the past.*
- Block H -** *Specific Chemical Name - use the same chemical name found on previous reports.*

Remember, the objective of this reporting is to update your 1994 submission. If you are now manufacturing a product at your plant that does not appear on your 1994 form, then you must include that product in your 1998 submission. Likewise, if you are no longer manufacturing a product that appears on your 1994 form, that product should not be reported on this year's form.

In addition to the above reporting information, plant sites must be reported by giving the specific site name and street address. For importers, a central office or a plant site should file a report depending upon which is responsible for the shipment and payment of import duties. Companies must provide a Dunn and Bradstreet number for each site, and the name, company address and telephone number of a person (Technical Contact) whom the EPA may contact for clarification of the information submitted on Form U. The technical contact should be you or your designee.

Once you have completed your form(s), forward a copy to my office by **NOVEMBER 20<sup>th</sup>**. Information will be submitted electronically prior to the December 23, 1998 deadline.

(3)

**RECORD KEEPING REQUIREMENTS**

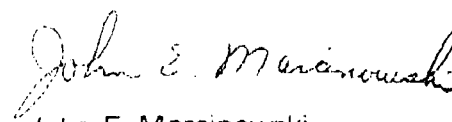
Koppers is required to maintain records which document compliance with this updating, including records that show product volume, plant site, and site-limited status of each of the substances reported. If a substance is not reported because it's site specific annual production is less than 10,000 pounds, plant records must be maintained to verify this. The EPA does not require a specific record keeping format so your normal plant inventory and production records will suffice. Records must be retained for at least four years after the effective date of the reporting period, i.e., August 25, 1998.

**PENALTIES**

Compliance with the partial updating of the TSCA chemical inventory database is mandatory. Failure to file an IUR is punishable by a civil penalty not to exceed \$25,000

Please call me at your convenience if you have any questions regarding this correspondence or if you require any assistance.

**I want to thank you in advance for your cooperation.**

  
John E. Marcinowski

**Attachments****Distribution:**

Jim Burkhart	Monessen
Tom Golubic	Follansbee
<del>Amos Kasper</del>	<del>Portland</del>
John Kunkle	Woodward Coke
Mike Mancione	Stickney
Jerry Morris	Woodward Tar
David Wible	Clairton

**c.c.**

R. Collins	K-1700
Kevin Fitzgerald	K-1600
Bob Wombles	HTC

EPA

## Environmental Protection Agency

Washington, DC 20460

1994

REPORT NUMBER

FORM  
UPartial Updating of TSCA Inventory Data Base  
Production and Site Report

(Section 601, TSCA Substances Control Act 15 USC 2601)

I, the undersigned, hereby certify that the information entered on this form is true and correct and that the confidentiality statements on the back of this form are true and correct, as far as the information is known by me, and that I am not aware of any other information that would cause this information to be confidential.

SIGNATURE

DATE

PLANT SITE (Type or Print)

PLANT DRAFT

TECHNICAL CONTACT NAME

PLANT SITE NAME

COMPANY NAME

CBI

DUN &amp; BRADSTREET NUMBER

02 - 773 - 4359

COMPANY ADDRESS LINE 1

PLANT SITE STREET ADDRESS LINE 1

7540 NW. SAINT HELENS ROAD

COMPANY ADDRESS LINE 2

PLANT SITE STREET ADDRESS LINE 2

N/A

CITY

STATE

CITY

PORTLAND

STATE

OR

ZIP CODE

TELEPHONE (w/Area Code)

ZIP CODE

97210 - 3663

## CHEMICAL SUBSTANCE IDENTITY/ACTIVITY/CONFIDENTIALITY

A.	B. Identifying Number	C. ID Code (See back of form)	D. Activity M or I	E. Site Limited	F. Production Volume in Pounds	G. Plant CBI	H. Chemical CBI
1	65996-93-2	C	I		46,732,138		
H. Specific Chemical Name COAL TAR PITCH							
2							
3							
4							
5							
6							
7							
8							
9							
10							



United States  
Environmental Protection Agency  
Washington, DC 20460

1998

Form Approved OMB 2070-0070

REPORT NUMBER

FORM  
U

Partial Updating of TSCA Inventory Data Base  
Production and Site Report  
(Section 8(a) Toxic Substances Control Act 15 USC 2607)

Certification Statement: I hereby certify to the best of my knowledge and belief that (1) all information entered on this form is complete and accurate, and (2) the confidentiality statements on the back of this form are true and correct as to the information for which I have asserted a confidentiality claim.

SIGNATURE

DATE

NAME/TITLE (Type or Print)

## TECHNICAL CONTACT NAME

COMPANY NAME

CBI

COMPANY ADDRESS LINE 1

COMPANY ADDRESS LINE 2

CITY

STATE

ZIP CODE

TELEPHONE (w/Area Code)

## PLANT SITE NAME

DUN &amp; BRADSTREET NUMBER

FACILITY ID NUMBER

PLANT SITE STREET ADDRESS LINE 1

(FOR AGENCY USE ONLY)

PLANT SITE STREET ADDRESS LINE 2

CITY

STATE

ZIP CODE

## CHEMICAL SUBSTANCE IDENTITY/ACTIVITY/CONFIDENTIALITY

A.	B. Identifying Number	C. ID Code (See back of form)	D. Activity M or I	E. Site Limited	F. Production Volume in Pounds	G. Plant CBI	Chemical CBI
1	H. Specific Chemical Name						
2	H. Specific Chemical Name						
3	H. Specific Chemical Name						
4	H. Specific Chemical Name						
5	H. Specific Chemical Name						
6	H. Specific Chemical Name						
7	H. Specific Chemical Name						
8	H. Specific Chemical Name						
9	H. Specific Chemical Name						
10	H. Specific Chemical Name						

**KOPPERS  
INDUSTRIES****INTEROFFICE CORRESPONDENCE**

**To:** A. Kamberer  
**Location:** Northwest Terminal  
**Subject:** TSCA 8(c) Regulation/Compliance System

**From:** John E. Marcinowski  
**Location:** K-1800  
**Date:** Feb. 9, 1994

Section 8(c) of the Toxic Substances Control Act (TSCA) became effective November 21, 1983. Under this rule, chemical manufacturers, processors, and distributors are required to maintain a record of allegations of significant adverse health or environmental reactions caused by chemical exposure. Allegations from employees, customers, health and environmental advocacy groups and members of the general public must be written, signed and include the identification of the person filing the complaint including their sex and date of birth, the name and address of the site implicated, the date and substance implicated and a description of the alleged effect. Allegations by employees must be retained for 30 years, all other allegations must be kept for a period of 5 years. Also retained should be the results of the company's self-initiated investigation and any other related reports or records.

Exempted from reporting are allegations regarding pesticides, matters already known through labeling or Material Safety Data Sheets, effects previously described in published scientific literature, and matters already reported to governmental authorities such as accidental spills. In addition, Koppers Industries is not required to solicit allegations. The U.S. EPA will have the statutory right to inspect Koppers Industries' 8(c) File at anytime to assure compliance with the regulation.

Koppers Industries Compliance System will use the existing OH&PS Department to evaluate, record and file all allegations in accordance with the TSCA Section 8(c) rules. However, the receipt of all allegations will, by necessity, involve the participation of a number of line and staff personnel with Koppers Industries. First, there must be a Koppers Industries contact person conveniently accessible to every "chemical" production employee, i.e., at every plant which produces or processes chemicals. For the plants, the contact for receipt of 8(c) allegations will be the plant manager or his designated representative. Marketing managers should establish a system within their respective sales organizations to assure that allegations from customers or members of the affected public will be properly received and processed.

The processing of allegations received by Koppers Industries contact persons should be handled according to the instructions accompanying the Koppers Industries 8(c) Reporting Form, a copy of which is also attached. To reiterate, the original written allegation and form should be sent as soon as practical to the OH&PS Department, K-1800 Koppers Building, Pittsburgh, PA 15219-1800. (Telephone: (412-227-2884). In case of doubt as to whether a written allegation is covered by this rule, report it to the OH&PS Department where the final disposition will be determined.

These records will form a permanent Koppers Industries file which may have to be shown or reported to the U.S. EPA and which may be discoverable in the event of litigation. If any allegation requires timely positive action in the interest of protection of human health or the environment, the OH&PS Department will so advise the proper parties.

**Records and Reports of Allegations That Chemical Substances Cause Significant Adverse Reactions to Health or the Environment; Recordkeeping and Reporting Procedures.**

**SUMMARY:** This form implements section 8(c) of the Toxic Substances Control Act (TSCA). The rule requires manufacturers and certain processors of chemical substances and mixtures to keep records of significant adverse reactions to health or the environment alleged to have been caused by a substance or mixture. EPA may also inspect and require reporting of such records.

**INSTRUCTIONS:** Send the white corporate copy of the completed form with attachments to Occupational Health and Product Safety Dept., 1800 Koppers Building, Pittsburgh, PA 15219-1800. Retain the blue copy for your records.

The following required information must be maintained under this rule as the allegation record:

1. **The original allegation as received.** (It is the responsibility of the allegor to provide the company with the allegation in written form. If the allegor does not respond to the company's request for a written allegation then the company is not obligated to take any further steps. You must inform the allegor that his allegation may be recordable under this rule and request that he submit a written, signed and dated statement containing the allegation). This part I section is to be submitted by the allegor, signed, dated and attached to this form.

**TO BE COMPLETED BY PLANT OR COMPANY PERSONNEL  
(TYPED OR PRINTED)**

2. An abstract of the allegation. \_\_\_\_\_  
\_\_\_\_\_
3. The name and address of the plant or office site that received the allegation. \_\_\_\_\_  
\_\_\_\_\_
4. The date the allegation was received. \_\_\_\_\_
5. The implicated substance, mixture, article, company process or operation, or site effluent, emission or other discharge. (Commodity Code Number (if any)) \_\_\_\_\_
6. A description of the allegor (e.g., company employee, individual consumer, plant neighbors, etc.). If the allegation involves a health effect, the sex and year of birth of the affected individuals should be recorded, if ascertainable. \_\_\_\_\_
7. A description of the health effect(s). The description must relate how the health effects became known and the route of exposure, if explained in the allegation. \_\_\_\_\_
8. A description of the environmental effect(s), identifying the affected plant and/or animal species, or contaminated portion of the environment. \_\_\_\_\_
9. The results of any self-initiated investigation of the allegation. The regulation does not require a company to perform any investigation in connection with allegations received. However, if a company chooses to investigate the circumstances of an allegation, then the results of that investigation must be included in the record. \_\_\_\_\_
10. Copies of any further required reports or records relating to the allegation. If a company is required to keep any other record or make any other report relating to the allegation (e.g., Occupational Safety and Health Administration Form 101), then a copy of that record or report must also be placed in the file. This does not include internal records or reports developed or maintained by a company except as provided above. State if any reports or separate sheets attached. ☐ Yes ☐ No \_\_\_\_\_
11. File according to chemical identity, or one of the following if the chemical is not named; mixture identity, article identity, company process or operation, or site effluent, emission or other discharge. \_\_\_\_\_  
File Under \_\_\_\_\_ CAS number (if known) \_\_\_\_\_
12. **CONFIDENTIALITY** List here those sections of this form which contain confidential information (if any) \_\_\_\_\_

Person(s) Preparing This Report \_\_\_\_\_

Title \_\_\_\_\_

Address \_\_\_\_\_

Signature(s) \_\_\_\_\_

Date \_\_\_\_\_

Telephone Number of Preparer \_\_\_\_\_

**See Reverse Side For Instructions — If Additional Space Needed Attach Separate Sheet.**

**Records and Reports of Allegations That Chemical Substances Cause Significant Adverse Reactions to Health or the Environment; Record-keeping and Reporting Procedures.**

1. Section 8(c) of the Toxic Substances Control Act requires that "any person who manufactures, processes, or distributes in commerce any chemical substance or mixture" must keep "records of significant adverse reactions to health or the environment, as determined by the Administrator by rule, alleged to have been caused by the substance or mixture." Section 8(c) requires that allegations of adverse reactions to the health of employees be kept for 30 years, and all other allegations be kept for five years. EPA may inspect these records and require submission of copies of such records.

2. Significant adverse reactions are reactions that may indicate a substantial impairment of normal activities, or long-lasting or irreversible damage to health or the environment.

3. Reactions that are "known human effects" do not have to be recorded. Also exempt from recording are environmental reactions directly attributable to spills or other incidents that have been reported to the Federal Government. Indicators of significant environmental reactions center on gradual or sudden changes in the composition of plant or animal life in an area.

4. Significant adverse reactions that must be recorded. Significant adverse reactions to human health that must be recorded include but are not limited to:

- (1) Long-lasting or irreversible damage, such as cancer or birth defects.
- (2) Partial or complete impairment of bodily functions, such as reproductive disorders, neurological disorders or blood disorders.
- (3) An impairment of normal activities experienced by all or most of the persons exposed at one time.
- (4) An impairment of normal activities which is experienced each time an individual is exposed.

5. Firms are not required to record significant adverse reactions that are known human effects. "Known human effects" means a commonly recognized human health effect of a particular substance or mixture as described either in:

- (i) Scientific articles or publications abstracted in standard reference sources.
- (ii) The firm's product labeling or material safety data sheets (MSDS).

However, an effect is not a "known human effect" if it:

- (i) Was a significantly more severe toxic effect than previously described.
- (ii) Was a manifestation of a toxic effect after a significantly shorter exposure period or lower exposure level than described.

(iii) Was a manifestation of a toxic effect by an exposure route different from that described.

6. Significant adverse reactions to the environment that must be recorded, even if restricted to the environs of a plant or disposal site, include but are not limited to:

- (1) Gradual or sudden changes in the composition of animal life or plant life, including fungal or microbial organisms, in an area.
- (2) Abnormal number of deaths of organisms (e.g., fish kills).
- (3) Reduction of the reproductive success or the vigor of a species.
- (4) Reduction in agricultural productivity, whether crops or livestock.
- (5) Alterations in the behavior or distribution of a species.
- (6) Long lasting or irreversible contamination of components of the physical environment, especially in the case of ground water, and surface water and soil resources that have limited self-cleansing capability.

Firms are not required to record a significant adverse reaction to the environment if the alleged cause of that significant adverse reaction can be directly attributable to an accidental spill or other accidental discharge, emission exceeding permitted limits, or other incident of environmental contamination that has been reported to the Federal Government under any applicable authority.





Koppers Industries, Inc.  
436 Seventh Avenue  
Pittsburgh, PA 15219-1800

**CERTIFIED MAIL - RETURN RECEIPT**

Telephone: (412) 227-2001  
Fax: (412) 227-2423

December 19, 1994

Document Control Officer (7407)  
Office of Pollution Prevention and Toxics  
U. S. Environmental Protection Agency  
401 M. Street, S.W.  
Washington, DC 20460

ATTN: Inventory Update Rule

Dear Sir:

You will find enclosed individual completed forms (Form U) which comprise the Koppers Industries, Inc. 1994 response to the TSCA Section 8(a) rule for the partial updating of the TSCA Chemical Inventory Data Base.

These forms, identified by number and itemized below, have been completed for each applicable plant site under Koppers control.

<u>Plant Site</u>	<u>Report Number</u>
Follansbee, WV	61133138
	61133146
Portland, OR	61133195
Dolomite, AL	61133203
Houston, TX	61154217
Cicero, IL	61154225
Dolomite, AL	61154233

We trust that the enclosed information satisfies our requirements for the Chemical Inventory Update due this year. Please do not hesitate to call me at (412) 227-2884 if there are any questions or need for additional information.

bcc: E.A. Clendaniel  
D. Sweet  
L. Flaherty  
T. Golubic  
S. Lish  
A. Kamerer  
D. Heal  
G. Trent  
M. Lewis  
D. Meadows  
D. Bell

Sincerely,

John E. Marcinowski, Manager  
Labeling & Regulatory Programs

Koppers012567

61133195

*Paul C. Stadel*

Dec.12,1994 L.F.Flaherty/V.P. & Manager Tar Operation:

Paul C. Stadel

Koppers Industries, Inc.

Koppers Industries, Inc.

02 773 4359

1005 William Pitt Way

7540 NW St.Helen's Road

OL. 300-2173411  
PO. 1001 501

N/A

Pittsburgh

PA

Portland

OR

15238

1362

412-826-3973

97210

3663

65996-93-2

C

I

46732138

Coal Tar Pitch

Koppers012568

**RECEIVED**

**JAN 12 1995**

**KOPPERS INDS., INC.  
PORTLAND, OR**

T  
O J. MARCINOWSKI, K-1800

F  
R  
O  
M

AMOS KAMMER PORTLAND

SUBJECT

TASCA/IUR

DATE

9/27/94

FOLD — MESSAGE

Attached is the completed "PLANT DRAFT" for the above  
and the 2 "Blue" forms that we received. Advise  
if anything looks AWRAY.

ORIGINATOR-DO NOT WRITE BELOW THIS LINE

REPLY TO → SIGNED

REPLY

AMOS

DATE

SIGNED

DETACH AND RETAIN THIS COPY



United States  
Environmental Protection Agency  
Washington, DC 20460

1994

Form Approved OMB 2070-0070 Approval Expires 5-31-95

REPORT NUMBER

FORM  
U

Partial Updating of TSCA Inventory Data Base  
Production and Site Report

(Section 2(a) Toxic Substances Control Act 15 USC 2607)

Certification Statement: I hereby certify to the best of my knowledge and belief that all information entered on this form is true and correct, and that all information entered on the back of this form is true and correct, as to that information for which I have assumed a confidentially claim.

PLANT DRAFT

SIGNATURE

DATE

NAME/TITLE (Type or Print)

TECHNICAL CONTACT NAME

PLANT SITE NAME

COMPANY NAME

CBI

DUN & BRADSTREET NUMBER

02 - 773 - 4359

COMPANY ADDRESS LINE 1

PLANT SITE STREET ADDRESS LINE 1

7540 NW. SAINT HELENS ROAD

COMPANY ADDRESS LINE 2

PLANT SITE STREET ADDRESS LINE 2

N/A

CITY

STATE

CITY

PORTLAND

STATE

OR

ZIP CODE

TELEPHONE (w/Area Code)

ZIP CODE

97210 - 3663

CHEMICAL SUBSTANCE IDENTITY/ACTIVITY/CONFIDENTIALITY

A.	B. Identifying Number	C. ID Code (See back of form)	D. Activity M or I	E. Site Limited	F. Production Volume in Pounds	G. Plant CBI	Chemical CBI
1	65996-93-2	C	I		46,732,138		
H. Specific Chemical Name COAL TAR PITCH							
2							
H. Specific Chemical Name							
3							
H. Specific Chemical Name							
4							
H. Specific Chemical Name							
5							
H. Specific Chemical Name							
6							
H. Specific Chemical Name							
7							
H. Specific Chemical Name							
8							
H. Specific Chemical Name							
9							
H. Specific Chemical Name							
10							
H. Specific Chemical Name							

01DATE: 011494

K O P P E R ' S   C O M P A N Y   I N C .

PAGE: 001

01

TAR PRODUCTS DIVISION

01

MONTH TO DATE NET SALES BY PLANT

01

FOR THE PERIOD DECEMBER '93

PROGRAM ID SLRIP074

01PLANT : 9270 NORTHWEST TAR

01

01 COMMODITY

01

01

	MONTH-TO-DATE			YEAR-TO-DATE			PRIOR YEAR-TO-DATE		
	QUANTITY	AMOUNT	RATE	QUANTITY	AMOUNT	RATE	QUANTITY	AMOUNT	RATE
01CREOSOTE P1/P13	50.607	68.227	1.3481	1,240.899	1,420.440	1.1446	1,116.492	1,250.476	1.1200
01PRIMING AND REFRACT	0	0	0.0000	1.485	11.738	7.9043	5.005	27.449	5.4843
01METHYL NAPHTHALENE	0	0	0.0000	0	0	0.0000	550	2.090	3.8000
01NAPHTHALENE STILL R	0	0	0.0000	0	0	0.0000	13.026	49.656	1.1540
01PAVEMENT SEALER BAS	0	5.802	0.0000	463.707	73.053	0.1575	545.084	91.720	0.1679
01REFINED TAR K-1535	54.700	14.387	0.2608	325.040	89.161	0.2712	336.364	92.727	0.2757
01REFINED TAR STC BLE	23.230	4.426	0.1901	168.771	31.040	0.1839	0	0	0.0000
012040-S	0	0	0.0000	80	2.850	35.6250	0	2.737	34.9625
012040-M (WHITE)	0	0	0.0000	0	0	0.0000	340	7.860	22.7500
01COAL TAR BITUMEN	0	2.106	0.0000	120	49.932	416.1000	082	308.914	314.5763
01CARBON PITCH HARD P	2,253.149	260.013	0.1153	25,166.520	2,900.454	0.1152	12,198.960	1,405.004	0.1151
01CARBON PITCH HARD	0	22.656	0.0000	0	22.656	0.0000	910.200	121.233	0.1331
01CARBON PITCH MELTED	3,338.435	458.065	0.1372	19,785.665	2,709.390	0.1369	0	0	0.0000
01DISTRESSED PITCH	8.860	637	0.0775	88,590	7,406	0.0835	0	0	0.0000
01TARGET PITCH PENCIL	42.240	4.969	0.1176	1,014.656	145.967	0.1438	0	0	0.0000
01MISC. PITCH - (MPOR)	0	0	0.0000	213.900	28.243	0.1319	991.060	137.357	0.1385
01NONRET PALS	0	0	0.0000	0	0	0.0000	24	144	6.0000
0199800001	0	0	0.0000	0	125	0.0000	0	175	0.0000

01

01 PLANT TOTAL

01

01

01 DIVISION TOTAL

01

TOTAL

46,732,138.4

**KOPPERS  
INDUSTRIES**

**INTEROFFICE CORRESPONDENCE**

**To:** SEE DISTRIBUTION  
**Location:** AS INDICATED  
**Subject:** INVENTORY UPDATE RULE (IUR)

**From:** John E. Marcinowski  
**Location:** K-1800  
**Date:** Aug. 25, 1994

**SUMMARY**

In the Federal Register of June 12, 1986, EPA promulgated a rule referred to as the Inventory Update Rule under the authority of section 8(a) of TSCA requiring manufacturers and importers of certain chemical substances included on the TSCA Chemical Substance Inventory to report current data on the production volume, plant site, and site-limited status of the substances. After the initial reporting during 1986, recurring reporting is required every 4 years. A second reporting cycle took place in 1990. The IURs for 1994 are required by December 23, 1994. The information to be reported and Form U are same as in 1990.

For your convenience I have included copies of your plant's 1990 update to utilize in completing your 1994 Form U. The current data to be reported is limited to products manufactured or imported at your site in excess of 10,000 pounds during the fiscal year ending December 31, 1993.

**EXEMPTIONS**

There are several substances that are exempt from reporting; i.e., polymers, inorganics, microorganisms, naturally occurring substances, mixtures, nuclear material and pesticides.

*(P+Ra, STC, K-1535, Bitumen)*

*(Caco & As fillers)*

For your information, a mixture is defined as:

"Mixture" means any combination of two or more chemical substances if the combination does not occur in nature and is not, in whole or in part, the result of chemical reaction; except that "mixture" does include: (1) any combination which occurs, in whole or in part, as a result of a chemical reaction if the combination could have been manufactured for commercial purposes without a chemical reaction at the time the chemical substances comprising the combination were combined and if, after the effective date or premanufacture notification requirements, none of the chemical substances comprising the combination is a new chemical substance, and (2) hydrates of a chemical substance or hydrated ions formed by association of a chemical substance with water.

In addition to the substance exemptions, there is also a substance/plant site exemption that is based on production or import volume - substances that are manufactured or imported at less than 10,000 pounds per year at a single site are exempt from reporting for that site.

- 1) Imported Pitch (include VANALCO)
- 2) PSB(K-364) use Amount shipped
- 3) send John our "Blue" original reporting forms

### SPECIFIC ACTIONS

Except for the above listed exemptions, all substances manufactured at your plant are subject to reporting on Form U. I am only aware of one plant receiving a copy of the Updating Package and new Form U. Therefore, I am providing work copies with this letter for your use regardless if you have received your own copy. The information to be reported is as follows:

1. The substance Identifying Number - refer to the attached 1990 form for appropriate numbers. **Note: K-364 or Pavement Sealer Base should be included with your coal/tar pitch production volume - CAS number 65996-93-2.**
2. ID code - use the letter "C" for CAS No. or "F" for original inventory form numbers.
3. Activity - use "M" for manufacture or "I" for import.
4. Site Limited - if you manufacture the chemical substance at your plant site and do not distribute the chemical substance or any mixture containing that substance outside the plant site for commercial purposes, enter "X" in the box. (Imported substances cannot be site-limited.)
5. Product Volume in Pounds - if you both manufacture and import a particular substance, report the manufacture and import volumes separately, on two lines.
6. All Confidential Business Information (CBI) boxes will be left blank since no CBI claims were made in the past.
7. Specific Chemical Name - use the same chemical name found on previous reports.

Remember, the objective of this reporting is to update your 1990 submission. If you are now manufacturing a product at your plant which does not appear on your 1990 form, then you must include that product in your 1994 submission. Likewise, if you are no longer manufacturing a product that appears on your 1990 form, that product should not be reported on this year's form.

In addition to the above reporting information, plant sites must be reported by giving the specific site name and street address. For importers, a central office or a plant site should file a report depending upon which is responsible for the shipment and payment of import duties. Companies must provide a Dunn and Bradstreet number for each site, and the name, company address and telephone number of a person (Technical Contact) whom the EPA may contact for clarification of the information submitted on Form U. The technical contact should be you or your designee.

Once you have completed your form(s), forward a copy to my office by **NOVEMBER 30<sup>th</sup>**. The information will be transferred to an original "**BLUE**" Form U by this office; the form will then be signed by the appropriate party and forwarded to the EPA prior to the December 23, 1994 deadline.

### RECORD KEEPING REQUIREMENTS

Koppers is required to maintain records which document compliance with this updating, including records that show product volume, plant site, and site-limited status of each of the substances reported. If a substance is not reported because it's site specific annual production is less than 10,000 pounds, plant



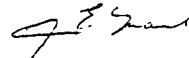
records must be maintained to verify this. The EPA does not require a specific record keeping format so your normal plant inventory and production records will suffice. Records must be retained for at least four years following August 25 of this year.

### **PENALTIES**

Compliance with the partial updating of the TSCA chemical inventory data base is mandatory. Failure to file an IUR is punishable by a civil penalty of \$17,000 per chemical per report and late submission is punishable by a civil penalty of \$6,000 per chemical per report. In 1993 the EPA prosecuted approximately 38 companies for IUR violations, seeking nearly \$4.2 million in civil penalties. EPA attorneys indicate that they expect to be even more aggressive in identifying and prosecuting IUR violations in 1995. The EPA intends to identify companies that may fail to file IURs by cross-referencing other mandatory reports, including Toxic Release Inventory (TRI) reports submitted under Title III. Clearly your support is crucial to our effort in achieving compliance with this law.

Please call me at your convenience if you have any questions regarding this correspondence or require any assistance.

I want to thank you in advance for your cooperation.



John E. Marcinowski

### **Attachments**

C.C.

J. R. Batchelder	K-1700
E. A. Clendaniel	K-1600
L. F. Flaherty	K-1750
P. A. Stadel	UPARC
D. N. Sweet	K-1750
W. W. Turner	K-1600

DISTRIBUTION:

T. A. Golubic	Follansbee
P. W. Heal	Houston
A. S. Kameron	Northwest Terminal
D. E. Meadows	Woodward Coke
R. J. Morris	Woodward Tar
G. E. Trent	Stickney

RECEIVED

AUG 29 1994

KOPPERS INDS., INC.  
PORTLAND, OR

Koppers012576



US Environmental Protection Agency  
Partial Updating of TSCA Inventory Data Base  
Production and Site Report  
(Section 8(a) Toxic Substances Control Act 15 USC 2607)

1990

REPORT NUMBER

61045290

FORM  
U

Certification Statement: I hereby certify to the best of my knowledge and belief that (1) all information entered on this form is complete and accurate, and (2) the confidentiality statements on the back of this form are true as to that information for which I have asserted a confidentiality claim.

SIGNATURE

DATE  
Jan. 28, 1991

NAME/TITLE (Type or Print)

L. F. Flaherty/V.P. & Manager Tar Operations

TECHNICAL CONTACT NAME

James E. McFadden

COMPANY NAME

Koppers Industries, Inc.

CBI

COMPANY ADDRESS I

1005 William Pitt Way

COMPANY ADDRESS II

CITY

Pittsburgh

STATE

PA

ZIP CODE

15238

TELEPHONE (w/Area Code)

412-826-3973

PLANT SITE NAME

Koppers Industries, Inc.

DUN & BRADSTREET NUMBER

02 - 773 - 4359

PLANT SITE STREET ADDRESS I

7540 NW St Helen's Rd.

PLANT SITE STREET ADDRESS II

N/A

CITY

Portland

STATE

OR

ZIP CODE

97210

3663

CHEMICAL SUBSTANCE IDENTITY/ACTIVITY/CONFIDENTIALITY

A. 1 B. Identifying Number 65996-93-2 C. ID CODE C D. Activity I E. Site Limited F. Production Volume 14,464,560 G. Plant CBI Chemical CBI

H. Specific Chemical Name COAL TAR PITCH

A. 2 B. Identifying Number C. ID CODE D. Activity E. Site Limited F. Production Volume G. Plant CBI Chemical CBI

H. Specific Chemical Name

A. 3 B. Identifying Number C. ID CODE D. Activity E. Site Limited F. Production Volume G. Plant CBI Chemical CBI

H. Specific Chemical Name

A. 4 B. Identifying Number C. ID CODE D. Activity E. Site Limited F. Production Volume G. Plant CBI Chemical CBI

H. Specific Chemical Name

A. 5 B. Identifying Number C. ID CODE D. Activity E. Site Limited F. Production Volume G. Plant CBI Chemical CBI

H. Specific Chemical Name

A. 6 B. Identifying Number C. ID CODE D. Activity E. Site Limited F. Production Volume G. Plant CBI Chemical CBI

H. Specific Chemical Name

A. 7 B. Identifying Number C. ID CODE D. Activity E. Site Limited F. Production Volume G. Plant CBI Chemical CBI

H. Specific Chemical Name

A. 8 B. Identifying Number C. ID CODE D. Activity E. Site Limited F. Production Volume G. Plant CBI Chemical CBI

H. Specific Chemical Name

A. 9 B. Identifying Number C. ID CODE D. Activity E. Site Limited F. Production Volume G. Plant CBI Chemical CBI

H. Specific Chemical Name

A. 10 B. Identifying Number C. ID CODE D. Activity E. Site Limited F. Production Volume G. Plant CBI Chemical CBI

H. Specific Chemical Name



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JUL 12 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

To 1994 Inventory Update Rule Submitters:

On June 14, 1994 the United States Environmental Protection Agency announced in the Federal Register the 1994 Inventory Update Rule reporting period. The 1994 reporting period is from August 25, 1994 through December 23, 1994.

Enclosed is the 1994 Inventory Update Rule (IUR) Information Package. This package contains the Instruction Book, the Federal Register notice announcing the 1994 reporting period and two reporting forms.

IUR submitters should carefully review the Instruction Book and the other materials in this package. Please follow the reporting instructions exactly. Note that the Instruction Manual is simply guidance and is not a substitute for the Rule. Submitters should review the regulations governing this information collection located at 40 CFR 710.26 et seq. If you have any questions about the Rule or how to report, please call the TSCA Hotline at (202) 554-1404.

Information submitters should be aware that the IUR is a facility specific reporting obligation. A submitter must provide a separate original form for each facility manufacturing or importing reportable chemical substances during the submitter's fiscal year 1993. Only original forms may be submitted. Do not submit photocopied forms. If you need additional forms or other reporting materials contact the TSCA Hotline at the above telephone number.

Thank you for your cooperation.

Office of Pollution Prevention and Toxics



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

Koppers012578

RECEIVED

JUL 18 1994

KOPPERS INDS. INC.  
PORTLAND, OR

30651

---

Tuesday  
June 14, 1994

**Federal Register**

---

**Part IV**

**Environmental  
Protection Agency**

---

**40 CFR Part 710**

**Partial Updating of TSCA Inventory Data  
Base; Production and Site Reports;  
Technical Amendment; Final Rule**

**ENVIRONMENTAL PROTECTION AGENCY****40 CFR Part 710**

[OPPTS-62140; FRL-4869-7]

**Partial Updating of TSCA Inventory Data Base; Production and Site Reports; Technical Amendment****AGENCY:** Environmental Protection Agency (EPA).**ACTION:** Final rule; technical amendment.**SUMMARY:** This document announces the 1994 reporting period for the Inventory Update Rule, and amends the rule to update the reporting address.**DATES:** This document is effective June 14, 1994. The 1994 reporting period is from August 25, 1994 to December 23, 1994.**FOR FURTHER INFORMATION CONTACT:**

Susan B. Hazen, Director, Environmental Assistance Division (7408), Office of Pollution Prevention and Toxics, Environmental Protection Agency, Rm. E-545, 401 M St., SW., Washington, DC 20460, (202) 554-1404, TDD: (202) 554-0551.

**SUPPLEMENTARY INFORMATION:****I. Background**

In the *Federal Register* of June 12, 1986 (51 FR 21438), EPA promulgated a rule (40 CFR part 710, subpart B), referred to as the Inventory Update Rule (IUR), under the authority of section 8(a) of the Toxic Substances Control Act (TSCA), 15 U.S.C. 2607(a), requiring manufacturers and importers of certain chemical substances included on the TSCA Chemical Substance Inventory to report current data on the production volume, plant site, and site-limited status of the substances. After the initial reporting during 1986, recurring reporting is required every 4 years. A second reporting cycle took place in 1990. The third reporting period will be in 1994.

**II. 1994 Reporting Period**

The initial reporting period was August 25, 1986 to December 23, 1986. Reporting periods recur every 4 years from August 25 to December 23, so that the next reporting period is August 25, 1994 to December 23, 1994. Persons subject to the rule must submit the required information during this period.

**III. Update of the Information****A. The TSCA Chemical Substance Inventory**

As an aid to submitters reporting during 1986, EPA published a 1985

edition of the TSCA Chemical Substance Inventory. This publication, available from the Government Printing Office (GPO), superseded the 1979 edition and supplements prior to 1985. To aid reporters during 1990, EPA published a 1990 supplement to the 1985 edition. Copies of both the "TSCA Chemical Substance Inventory: 1985 Edition" and the "TSCA Chemical Substance Inventory: 1990 Supplement" may still be obtained by writing or calling: Superintendent of Documents, Government Printing Office, Washington, DC 20402, (202) 783-3238. The 1990 Supplement costs \$15.00 in the U.S., \$18.75 outside the U.S., and should be ordered by its Document Control Code, S/N 055-000-00361-1. The 1985 Edition costs \$161.00 (\$201.00 outside the U.S.), and its Document Control Code is S/N 055-000-00254-1.

In support of the 1994 reporting, EPA is publishing a revised TSCA Chemical Substances Inventory in a set of floppy diskettes for use in a personal computer instead of the hard copy form. These diskettes will contain information for all nonconfidential chemical substances added to the TSCA Inventory data base before May 1, 1994. The types of information contained in the diskettes will be similar to that found in the computer tape form of the TSCA Inventory that EPA has been disseminating to the public biannually through the National Technical Information Service (NTIS). Specifically, each of the chemical substances included in the diskettes is identified by a Chemical Abstracts (CA) Index or Preferred Name, the corresponding Chemical Abstracts Service (CAS) Registry Number, molecular formula, and if applicable, the chemical definition and appropriate EPA special flags as found in the printed Inventory. The substances are sequenced in ascending order of the corresponding CAS Registry Numbers. The diskettes will not include chemical synonyms that are copyrighted by the Chemical Abstracts Service. Furthermore, generic names or EPA Accession Numbers for substances with confidential chemical identities will not be included.

The diskette version includes over 62,000 records and requires 12 megabytes of disk space for installation. Installation software that will automatically uncompress the file is included with the diskettes. However, users will have to furnish their own data base management software to perform searches. Both tapes and diskettes will be available for sale from: National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA

22161, (703) 487-4650 or (800) 553-NTIS. The diskettes cost \$195.00 in the U.S., Canada, and Mexico, and \$390.00 for all other addresses. The NTIS Order Number for the diskettes is PB94-501731GEI. The tapes cost \$360.00 in the U.S., Canada, and Mexico, and \$720.00 for all other addresses. The NTIS Order Number for the tapes is PB94-501749GEI.

**B. Reporting Address and Instructions**

40 CFR 710.39 is being amended to reflect new addresses and telephone numbers, as follows:

Reporting Packages Address: TSCA Hotline (7408), Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, 401 M St., SW., Washington, DC 20460, Telephone: (202) 554-1404, ATTN: Inventory Update Rule.  
Mailing Address for Completed Forms: Document Control Officer (7407), Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, 401 M St., SW., Washington, DC 20460, ATTN: Inventory Update Rule.

EPA will automatically mail out a reporting package to those facilities that reported in 1990. This package will include the manual entitled "Instructions for Reporting for the Partial Updating of the TSCA Chemical Inventory Data Base," a new Form U, and a copy of the *Federal Register* Notice. If you did not report in 1990, but need to report in 1994, the reporting package will be available from the TSCA Hotline at the address referenced above. Additional reporting forms will also be available from the TSCA Hotline.

**IV. Reporting Form**

Section 710.39 requires submitters to report using EPA's Form U. In 1990, EPA made changes in the form to assist submitters in completing it and facilitate processing of the form; none of the changes resulted in substantive revisions to the reporting requirements of the rule. New printed forms will be made available for reporting during 1994. Neither the 1986 nor the 1990 form is acceptable for 1994 reporting.

**A. Reporting Errors**

Several types of reporting errors occurred frequently enough in the past to merit discussion. One of the most frequent type of errors concerns the submitter reported Dun & Bradstreet number. Numerous submitters reported numbers with extra or missing digits, numbers which belonged to their parent companies (rather than the Dun & Bradstreet number assigned to the plant site for which the submitter was

reporting), or no number at all. This problem required EPA to send a large number of requests to the submitters for correction of submitter error. To avoid this error, all submitters should verify the accuracy of the Dun & Bradstreet number they are reporting. Those plant sites without Dun & Bradstreet numbers may obtain them, free of charge, by calling their local Dun & Bradstreet office.

Reporting of substances that are not required to be reported is another common error. Polymers, inorganics, microorganisms, and naturally occurring chemical substances are generally excluded from the reporting requirements. This exclusion does not however apply if the chemical substance is the subject of a rule proposed or promulgated under section 4, 5(a)(2), 5(b)(4), or 6 of TSCA or is the subject of an order issued under section 5(e) or 5(f) of TSCA or is the subject of relief that has been granted under a civil action under section 5 or 7 of TSCA. See § 710.26. Hydrates of chemicals which are on the TSCA Inventory in the anhydrous form are not reportable; however, the corresponding anhydrous form is subject to the reporting requirements. Furthermore, substances that have been delisted from the TSCA Inventory should not be reported.

Another significant source of errors is the manner in which chemical identifying numbers and names are entered in the reporting forms. Several types of identifying numbers (e.g., Chemical Abstracts Service Registry Numbers, Premanufacture Notification Numbers, and Accession Numbers) are allowed for reporting. Confusion on the appropriate way to identify a chemical substance and report an identifier has created many problems in the past. Note that the correct format for any CAS Registry Number being reported is six digits, hyphen, two digits, hyphen, one digit, e.g., XXXXXX-XX-X. Leading zeros on the left may be omitted. If the chemical identifier is a CAS Registry Number (ID Code = C), then this format must be used.

If the chemical substance name extends beyond the space provided on the report line, do not continue the name on the following report line. Instead, truncate the name at the end of the line with a series of three dots (ellipsis) or continue the name on a separate sheet of paper. This avoids the insertion of a new reporting line without a production volume.

When reporting the production volume, report the amount to the nearest whole number. Do not include decimal points. Scientific notation is also unacceptable.

A large number of errors are made in plant site and technical contact information. Please make sure that the correct information goes in the correct box. One common mistake is the lack of a signature in the signature box. The Form U will be returned if the signature is missing. In addition, the signature must match the name of the person in the Name/Title Field.

Lastly, persons who export chemicals found on the TSCA Chemical Substance Inventory are reminded that they may have reporting obligations under this rule. Section 12(a) of TSCA provides that chemicals manufactured for export are subject to the requirements of TSCA section 8. Persons who manufacture a chemical substance on the TSCA Inventory solely for export, are considered a manufacturer and are subject to all IUR requirements of the rule.

#### B. Confidentiality Claims

Since 1990, EPA has allowed submitters to report both confidential and nonconfidential substances on the same form, and to indicate which substances on a form have confidential identities. However, note that a submitter may only claim the identity of a chemical substance as confidential if that substance is already included on the TSCA Inventory with a confidential chemical identity. Furthermore, no confidentiality claim for chemical identity will be accepted unless accompanied by a separate written substantiation for the individual chemical substance claimed as confidential, with detailed answers to the 11 questions prescribed in § 710.38 of the Inventory Update Rule. As provided in § 710.38(d), failure to provide the necessary substantiation at the time of filing may result in the chemical identity reported being made available to the public without further notice to the submitter.

#### V. Electronic Reporting

Section 710.32(b) provides that magnetic media submitted in response to the IUR must meet the EPA specifications, as described in the "Instructions for Reporting for the Partial Updating of the TSCA Chemical Inventory Data Base" available from the TSCA Hotline. In the 1986 rule, submitters were to report by paper or computer tape. Because of the ready availability of microcomputers, in 1990 EPA modified this section of the Instructions to allow reporting using floppy diskettes. The major change in 1994 is that magnetic tape submissions will not be accepted. For the 1994 reporting period, ASCII diskette

submissions from IBM and compatible personal computers are permissible. EPA's specifications for the format and detailed instructions for electronic reporting can be found in "Instructions for Reporting for the 1994 Partial Updating of the TSCA Chemical Inventory Data Base." Because of TSCA security considerations, reporting via telecommunication lines is not accepted.

The 1986 rule required that chemical substances whose identities are confidential be reported by hard copy means only. This was amended in 1990 to allow reporting of such substances via magnetic media. In the 1994 reporting period, chemical substances whose identities are confidential may again be reported via magnetic media.

#### VI. Paperwork Reduction Act

The information collection requirements in this rule have been approved by the Office of Management and Budget (OMB) under the *Paperwork Reduction Act*, 44 U.S.C. 3501 *et seq.*, and have been assigned control number OMB No. 2070-0070.

This collection of information has an estimated reporting/recordkeeping burden averaging 1.2 hours per chemical report per respondent. These estimates include time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

Send comments regarding the burden estimate or any other aspect of this collection, including suggestions for reducing this burden to Chief, Information Policy Branch (Mail Code 2136); U.S. Environmental Protection Agency; 401 M St., SW., Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503, marked "Attention: Desk Officer for EPA."

#### List of Subjects in 40 CFR Part 710

Environmental protection, Chemicals, Hazardous substances, Reporting and recordkeeping requirements.

Dated: June 6, 1994.

**Mark A. Greenwood,**  
Director, Office of Pollution Prevention and Toxics.

Therefore, 40 CFR part 710 is amended as follows:

#### PART 710—[AMENDED]

1. The authority citation for part 710 continues to read as follows:

Authority: 15 U.S.C. 2607(a).



2. Section 710.39 is revised to read as follows:

**§ 710.39 Instructions for submitting information.**

(a) All persons submitting written information in response to the requirements of this subpart must use original copies of Form U available from EPA at the address set forth in paragraph (b) of this section.

(b) Complete instructions for completing the reporting form and

preparing a magnetic media report are given in the EPA publication entitled "Instructions for Reporting for 1994 Partial Updating of the TSCA Chemical Inventory Data Base." Reporting forms and instruction booklets may be obtained from the following address: TSCA Hotline (7408), Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, 401 M St., SW., Washington, DC 20460,

ATTN: Inventory Update Rule, (202) 554-1404.

(c) Completed reporting forms and magnetic media must be submitted to: Document Control Officer (7407), Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, 401 M St., SW., Washington, DC 20460, ATTN: Inventory Update Rule.

[FR Doc. 94-14415 Filed 6-13-94; 8:45 am]

BILLING CODE 6560-50-F



EXECUTIVE ENTERPRISES



*Presents*

*A Conference On*

# **THE TOXIC SUBSTANCES CONTROL ACT (TSCA): *How To Build An Effective Compliance Strategy***

**The EPA is Serious about TSCA Enforcement**

*Attend this timely and practical seminar if you represent*

- A Chemical or Non-Chemical Company, or
- A Large or Small Company

## **LEARN ABOUT:**

- How Other Companies Comply with TSCA Requirements
- EPA Initiatives to Facilitate Compliance
- The Proposed Rule on CAIR
- Proposed Modifications to Inventory Update, Reporting Production Information, and EPCRA
- TSCA Reauthorization

**October 6-7, 1994  
Washington, DC**

Copyright © 1994 Executive Enterprises, Inc.

Koppers012584

# THE TOXIC SUBSTANCES CONTROL ACT (TSCA): *How To Build An Effective Compliance Strategy*

## WHY YOU SHOULD ATTEND

EPA is vigorously enforcing the data requirements of TSCA. The evidence is the millions of dollars in fines imposed on dozens of companies. For example, in 1993, the EPA cited 23 companies nearly 25 million dollars for alleged TSCA violations. Was your company fined? What will happen to you during new enforcement initiatives?

If you think that TSCA doesn't apply to your company, *think again*. TSCA applies to companies that are outside the chemical industry too, if they use, import, export, or distribute chemicals to manufacture non-chemical products. Furthermore, TSCA compliance and enforcement also applies to chemicals that are not toxic.

TSCA violation penalties are among the highest of any EPA enforcement program. Be sure everyone in your organization knows which of their responsibilities triggers TSCA requirements, and what actions are required of them.

Attend Executive Enterprises, Inc.'s conference, **THE TOXIC SUBSTANCES CONTROL ACT (TSCA): *How To Build An Effective Compliance Strategy***, and in two fast-paced days, clarify what is required of you, including:

- Proven Strategies from Companies that Have Made TSCA Work
- Understanding the Most Recent Enforcement Initiatives
- Complying with the Inventory Update Rule (IUR)
- How to Survive a TSCA/EPCRA Enforcement Inspection and Its Aftermath

- Principles and Strategies for TSCA Auditing
- How Broad EPA Definitions of Jurisdictional Terms Increase the Scope of TSCA Obligations for Many Businesses
- How Increased Enforcement Action against Chemical Users May Affect Your Company
- Specific Strategies That Have Been Successful in Managing TSCA Compliance for Chemical and Non-Chemical Companies
- What to Expect from The Administration and Congress in the Way of TSCA Amendments and Reauthorization
- What to Expect from EPA's New Section 8(e) Guidelines
- Compliance Strategies for Chemical Import and Export
- Reporting and Recordkeeping Requirements
- Why Many Chemical Users are Defined by TSCA as Processors
- Requirements, Procedures, and Policies for New Chemical Review
- Effective Enforcement and Compliance Tools Available from the EPA

Be sure you understand what TSCA expects of you when you use, manufacture, transfer, import, or even distribute chemicals. Many companies outside the mainstream chemical industry are subject to TSCA because of the way they obtain chemicals. Save your company from paying devastating fines and disrupting its business operations by having an effective strategy in place—register today!

Call 1-800-831-8333 or FAX your completed registration form to 212-645-8689.

### CHAIRPERSON

Ronald B. Outen, Ph.D.  
Vice President  
**JELLINEK, SCHWARTZ  
& CONNOLLY, INC.**  
Washington, DC

### LUNCHEON ADDRESS SPEAKER

Joseph Carra  
Deputy Director, Office of  
Pollution Prevention &  
Toxics  
**U.S. ENVIRONMENTAL  
PROTECTION  
AGENCY**  
Washington, DC

### FACULTY

Christopher L. Bell  
Partner, Environmental  
Practice Group  
**SIDLEY & AUSTIN**  
Washington, DC

Carol Clayton  
Partner  
**WILMER, CUTLER &  
PICKERING**  
Washington, DC

Stuart R. Deans  
Partner  
**ROBINSON & COLE**  
Stamford, Connecticut

Mary Catherine Fish  
Senior Project Manager  
**JELLINEK, SCHWARTZ  
& CONNOLLY, INC.**  
Washington, DC

Katherine M. Hart  
Senior Project Manager  
**JELLINEK, SCHWARTZ  
& CONNOLLY, INC.**  
Washington, DC

Daniel Levine  
Director, Product Safety and  
Integrity  
**ALLIEDSIGNAL, INC.**  
Morristown, New Jersey

David E. Menotti  
Partner  
**SHAW PITTMAN POTTS  
& TROWBRIDGE**  
Washington, DC

Lee Tischler  
Specialist, Environment,  
Health & Safety  
**HONEYWELL INC.**  
Minneapolis, Minnesota

John Walker  
Senior Regulatory Specialist,  
Product Integrity  
Department  
**ROHM & HAAS  
COMPANY**  
Philadelphia, Pennsylvania

Michael J. Walker  
Enforcement Counsel, Toxic  
Substances & Pesticides  
Toxic Litigation Division  
Office of Enforcement  
**U.S. ENVIRONMENTAL  
PROTECTION AGENCY**  
Washington, DC

### WHO SHOULD ATTEND

- Environmental Counsel
- Product Safety Managers
- Operations Managers
- Environmental Engineers
- Plant Engineers
- Managers of Environment, Health, Medicine & Safety
- Regulatory Chemists
- Regulatory Affairs Specialists
- Technical Managers
- Regulatory Health Advisors
- Environmental Control Managers
- Regulatory Compliance Managers

### ABOUT THE SPONSOR

Executive Enterprises, Inc. continues as a leader in management education since 1971. Executive Enterprises conducts quality conferences and seminars which provide executives and their professional advisors with practical, "need-to-know" information.

Executive Enterprises conducts approximately 500 conferences annually, primarily in the areas of: environmental issues and regulations; energy; banking; finance; corporate accounting and reporting; real estate; taxation; personnel and human resources; labor relations; and insurance. Since Executive Enterprises is a nonaffiliated, self-funded organization with no commercial or political interests, unbiased relevant information is provided at all of our conferences. This information fulfills a critical need that has contributed to the success of the more than 450,000 business and government executives who have attended our conferences.

***Thursday, October 6, 1994***

---

**9:00-10:45 KEY TSCA COMPLIANCE ISSUES**

In this kick-off presentation, the Chairperson, the former Chief of the Policy and Chemical Regulation Branch in the EPA Office of Toxic Substances, sets the framework for understanding TSCA and managing TSCA compliance, and provides an overview of the various TSCA requirements. TSCA regulates the manufacture, importation, processing, distribution in commerce, use, and disposal of chemical substances — it reaches well beyond the chemical industry. Learn how TSCA applies to chemical users and what the Environmental Protection Agency and Congress are trying to accomplish with TSCA.

Ronald B. Outen, Ph.D. • Vice President • JELLINEK, SCHWARTZ & CONNOLLY, INC. • Washington, DC  
• (Chairperson)

**10:45-11:30 HOW TO KEEP RECORDS OF SIGNIFICANT ADVERSE EFFECTS AND REPORT UNPUBLISHED HEALTH AND SAFETY STUDIES — SECTIONS 8(c) AND 8(d)**

Walk through the recordkeeping and reporting requirements of Sections 8(c) and 8(d), respectively, and prepare yourself for keeping records of significant adverse effects and reporting unpublished health and safety studies. Find out:

- Who Needs to Know about Sections 8(c) and 8(d)
- Who is Covered by Section 8(c)
- What Must be Recorded under Section 8(c)
- How to Address Significant Adverse Reactions
- Which Allegations Do Not Have to be Recorded
- How to Keep 8(c) Records
- Who and What is Covered by Section 8(d)
- When to Submit Studies to EPA
- The Scope of the Health and Safety Study Definition
- Exemptions to Section 8(d) Requirements
- Links with the Rest of TSCA

Christopher L. Bell • Partner, Environmental Practice Group • SIDLEY & AUSTIN • Washington, DC

**11:30-12:30 BE PREPARED FOR SUBSTANTIAL RISK REPORTING AND THE ENVIRONMENTAL CAP AUDIT PROGRAM — SECTION 8(e)**

Learn what is covered under Section 8(e) reporting requirements, and what triggers substantial risk reporting. The speaker outlines the required time frames for reporting and the potential liability you may face by not reporting. You also find out the latest on reporting environmental information and the Compliance Audit Program (CAP).

Carol Clayton • Partner • WILMER, CUTLER & PICKERING • Washington, DC

**12:30-1:30 LUNCHEON**

**1:30-2:00 LUNCHEON ADDRESS: “THE LATEST DEVELOPMENTS IN TSCA AND POLLUTION PREVENTION — WHERE EPA IS GOING AND HOW TSCA FITS IN”**

The Deputy Director of EPA's Office of Pollution Prevention and Toxics gives you an insider's look at where EPA is going in the coming year, the latest developments in pollution prevention, and how TSCA fits in.

Joseph Carra • Deputy Director, Office of Pollution Prevention & Toxics • U.S. ENVIRONMENTAL PROTECTION AGENCY • Washington, DC

**2:00-3:00 THE NEW CHEMICAL NOTIFICATION REQUIREMENTS: FROM R&D TO FULL PRODUCTION**

This presentation covers the components of the EPA's New Chemicals Program under TSCA Section 5. Learn about EPA's review of "new" chemicals and "significant new uses" of existing chemicals. Get practical tips for compliance with Section 5 requirements, including premanufacture notice preparation. The speaker also explains how to maintain the Section 5 research and development exemption.

Katherine M. Hart • Senior Project Manager • JELLINEK, SCHWARTZ & CONNOLLY, INC. • Washington, DC

**3:00-3:45 UPDATE ON PRODUCTION (PAIR, CAIR, IUR), AND CONDUCTING TESTING UNDER TSCA — SECTIONS 8(a), 8(b) AND 4**

Understanding the TSCA Inventory -- how it is compiled, kept current, and used -- is critically important. Gain a better understanding of testing under TSCA and when you must report production information. Find out about:

- The TSCA Inventory Update Requirements and Common Compliance Errors under CAIR and PAIR
- Testing under Section 4

Throughout the presentation, the speaker provides detailed tips on complying with these requirements.

John Walker • Senior Regulatory Specialist, Product Integrity Department • ROHM & HAAS COMPANY  
• Philadelphia, Pennsylvania

**3:45-4:30 DEVELOPING SUCCESSFUL CHEMICAL IMPORT/EXPORT STRATEGIES — SECTIONS 13 AND 12(b)**

Walk through the elements of a successful chemical import/export strategy consistent with TSCA Sections 13 and 12(b). Focus on:

- Import Certification Requirements
- Positive/Negative Certification Determinations
- Import Certification Compliance Program Elements
- Review of Recent Enforcement Efforts
- Information Sources for Notification

Stuart R. Deans • Partner • ROBINSON & COLE • Stamford, Connecticut

**4:30-5:00 QUESTION AND ANSWER SESSION**

Faculty

## *Friday, October 7, 1994*

---

**8:30-10:00 MANAGING TSCA COMPLIANCE: SPECIAL CHALLENGES AND A MANAGEMENT MODEL THAT WORKS**

After finding out how the different sections of TSCA regulate your operations, you focus on developing effective management strategies for compliance. This practical session includes:

- TSCA Compliance as a New Challenge
- Factors to Consider in Developing a TSCA Compliance Program
- Special Problems Presented by TSCA
- Strategies that Work for Addressing TSCA Issues
- Integrating TSCA Compliance with Chemical Management

Ronald B. Outen, Ph.D. • Vice President • JELLINEK, SCHWARTZ & CONNOLLY, INC. • Washington, DC  
• (Chairperson)

**10:00-12:00    PROVEN STRATEGIES FROM COMPANIES THAT HAVE MADE TSCA WORK**

Gain a better understanding of the proven TSCA compliance strategies at work in several companies from those corporate personnel responsible for TSCA implementation. Discover the tools used for TSCA compliance, the issues that arise during TSCA implementation, and future initiatives that are planned.

Daniel Levine • Director, Product Safety and Integrity • ALLIEDSIGNAL, INC. • Morristown, New Jersey

Lee Tischler • Specialist, Environment, Health & Safety • HONEYWELL INC. • Minneapolis, Minnesota

**12:00-1:30    LUNCH BREAK**

**1:30-2:15    HOW TO SURVIVE A TSCA/EPCRA ENFORCEMENT INSPECTION AND ITS AFTERMATH**

The former Associate General Counsel for TSCA walks you through various strategies for successfully navigating through the TSCA inspection process. You focus on:

- EPA's Authority to Inspect under TSCA/EPCRA
- Scope of the Inspection
- How a TSCA Inspection Proceeds
- How to Prepare for a TSCA Inspection
- How to Behave During the Inspection
- What to Do Immediately After the Inspection and Before EPA Decides on its Course of Action
- What Happens if EPA Discovers a Potential TSCA Violation

EPA is planning an aggressive TSCA enforcement program for FY '95. If you manufacture, distribute, or process chemicals, you must prepare for the possibility that an EPA inspector may call. Attendance at this practical session ensures that you will be prepared when the inspector knocks at your door.

David E. Menotti • Partner • SHAW PITTMAN POTTS & TROWBRIDGE • Washington, DC

**2:15-3:15    CURRENT ISSUES IN EPA'S TSCA COMPLIANCE ENFORCEMENT STRATEGIES AND TOOLS**

Get an inside look at EPA's enforcement priorities and enforcement responses from the Enforcement Counsel for EPA's Office of Enforcement in the Toxic Litigation Division. Also review practical problems in complying with TSCA, and practical tips for dealing effectively with EPA.

Michael J. Walker • Enforcement Counsel, Toxic Substances & Pesticides • Toxic Litigation Division • Office of Enforcement • U.S. ENVIRONMENTAL PROTECTION AGENCY • Washington, DC

**3:15-4:00    HOW TO RUN AN EFFECTIVE TSCA AUDITING PROGRAM**

TSCA audits are an effective and proactive tool for avoiding violations. Gain an enhanced understanding of:

- EPA Auditing Policy
- Prosecutorial Discretion Guidelines and Sentencing Guidelines
- Characteristics of TSCA Violations
- Special Factors to Consider in TSCA Compliance Auditing
- Audit Principles Specific to TSCA

Mary Catherine Fish • Senior Project Manager • JELLINEK, SCHWARTZ & CONNOLLY, INC. • Washington, DC

**4:00    ADJOURNMENT**

**TO REGISTER: CALL 1-800-831-8333.**

**HOW TO REGISTER:**

CALL - 1-800-831-8333

FAX - Registration Form to: 212-645-8689

MAIL - Registration Form to: Executive Enterprises, Inc. • 22 West 21st St. • New York, NY 10010-6990

PLEASE PHOTOCOPY THIS FORM FOR ADDITIONAL REGISTRANTS.

**THE TOXIC SUBSTANCES CONTROL ACT (TSCA): *How To Build An Effective Compliance Strategy***

October 6-7, 1994 • Washington Marriott Hotel • 1221 22nd St. NW • Washington, DC 20037 • 202-872-1500 • Session #4ATOXD2/E4058

Name \_\_\_\_\_

Title \_\_\_\_\_

Organization \_\_\_\_\_

Division \_\_\_\_\_ Mail Stop \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip+4 \_\_\_\_\_

Telephone # ( ) \_\_\_\_\_

Priority Code (from the mailing label) \_\_\_\_\_

**CONTINUING PROFESSIONAL EDUCATION CREDIT REQUEST**

Please file an application for:

- ☐ Hygiene ☐ Legal  
☐ Continuing Ed. Units (CEUs) ☐ Other credit

in the state(s) of: \_\_\_\_\_

My Social Security # is (for CEUs only): \_\_\_\_\_

- ☐ I am unable to attend the seminar but wish to purchase the course handbook (\$175.00 per copy). Price includes postage and handling if prepaid; New York State residents add appropriate sales tax. A check for \$ \_\_\_\_\_ is enclosed. Please specify reference #4ATOXD2 if ordering by phone. Call 1-800-332-1105. Handbooks will be available 4-6 weeks after the meeting date.

☐ Bill me.☐ Check is enclosed. Payable to EXECUTIVE ENTERPRISES.

\$1,195...Tuition fee per person

Fees include the cost of luncheon on the first day, coffee, soft drinks, and the program handbook.

☐ Charge my: MasterCard, VISA, Diners Club, or American Express

Credit Card \_\_\_\_\_

Acc't No. \_\_\_\_\_

Exp. Date \_\_\_\_\_

Cardholder's Name \_\_\_\_\_

Signature \_\_\_\_\_

**To:**

KOPPERS INDUSTRIES INC  
 7540 NW ST HELEN'S RD  
 PORTLAND OR 972103663

SL01

**THE TOXIC SUBSTANCES CONTROL ACT (TSCA):**  
***How To Build An Effective Compliance Strategy***

*Presents*  
*A Conference On*

**EXECUTIVE ENTERPRISES**

October 6-7, 1994  
 Washington, DC

RECEIVED  
 AUG 8 1994  
 KOPPERS IND. INC.  
 PORTLAND, OR

DISTRIBUTION:

K. J. FITZGERALD	- HOUSTON	(REPORT #61045415)
T. A. GOLUBIC	- FOLLANSBEE	(REPORT #61045449 & #61045472)
R. J. MORRIS	- WOODWARD TAR	(REPORT #61045266)
J. A. OXFORD	- PORTLAND	(REPORT #61045290)
G. E. TRENT	- CHICAGO	(REPORT #61045357)
S. H. TUGGLE	- WOODWARD COKE	(REPORT #61045324)

RECEIVED

FEB 4 1951

KOPPERS INDS., INC.  
PORTLAND, OR

Koppers012590



January 28, 1991

Document Processing Center (TS-790)  
Office of Toxic Substances  
U. S. Environmental Protection Agency  
401 M. Street, S.W.  
Washington, DC 20460  
Room E-105

ATTN: Inventory Update Rule

Dear Sir:

You will find enclosed individual completed forms (Form U) which comprise the Koppers Industries, Inc. 1990 response to the TSCA Section 8(a) rule for the partial updating of the TSCA Chemical Inventory Data Base.

These forms, identified by number and itemized below, have been completed for each applicable plant site under Koppers control.

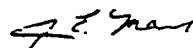
<u>Plant Site</u>	<u>Report Number</u>
Cicero, IL	61045357
Dolomite, AL	61045266
Dolomite, AL	61045324
Follansbee, WV	61045449
	61045472
Houston, TX	61045415
Portland, OR	61045290

Koppers Industries, Inc. wishes to receive an acknowledgement for receipt of this submission package from the EPA. The acknowledgement should be sent to my attention at the following address:

Koppers Industries, Inc.  
436 Seventh Ave.  
Pittsburgh PA 15219-1800

We trust that the enclosed information satisfies our requirements for the Chemical Inventory Update due this year. Please do not hesitate to call me at (412) 227-2884 if there are any questions or need for additional information.

Sincerely,



John E. Marcinowski, Manager  
Labeling & Regulatory Programs

bcc:

J. R. BATCHELDER - K-1701

L. F. FLAHERTY - K-1750

J. E. MCFADDEN - UPARC



US Environmental Protection Agency  
Partial Updating of TSCA Inventory Data Base  
Production and Site Report  
(Section 8(a) Toxic Substances Control Act 15 USC 2607)

1990

REPORT NUMBER

61045290

FORM  
U

Certification Statement: I hereby certify to the best of my knowledge and belief that (1) all information entered on this form is complete and accurate, and (2) the confidentiality statements on the back of this form are true as to that information for which I have asserted a confidentiality claim.

SIGNATURE *James E. McFadden* DATE Jan. 28, 1991 NAME/TITLE (Type or Print) L. F. Flaherty/V.P. & Manager Tar Operations

<b>TECHNICAL CONTACT NAME</b> James E. McFadden		<b>PLANT SITE NAME</b> Koppers Industries, Inc.	
<b>COMPANY NAME</b> Koppers Industries, Inc.		<b>DUN &amp; BRADSTREET NUMBER</b> 02 - 773 - 4359	
<b>COMPANY ADDRESS I</b> 1005 William Pitt Way		<b>PLANT SITE STREET ADDRESS I</b> 7540 NW St Helen's Rd.	
<b>COMPANY ADDRESS II</b> 		<b>PLANT SITE STREET ADDRESS II</b> N/A	
<b>CITY</b> Pittsburgh	<b>STATE</b> PA	<b>CITY</b> Portland	<b>STATE</b> OR
<b>ZIP CODE</b> 15238 - 1362	<b>TELEPHONE (w/Area Code)</b> 412-826-3973	<b>ZIP CODE</b> 97210 - 3663	

CHEMICAL SUBSTANCE IDENTITY/ACTIVITY/CONFIDENTIALITY

A.	B. Identifying Number	C. (See back of form)	D. Activity M or I	E. Site Limited	F. Production Volume in Pounds	G. Plant CBI	Chemical CBI
1	65996-93-2	C	I		14,464,560		
	H. Specific Chemical Name COAL TAR PITCH						
2							
	H. Specific Chemical Name						
3							
	H. Specific Chemical Name						
4							
	H. Specific Chemical Name						
5							
	H. Specific Chemical Name						
6							
	H. Specific Chemical Name						
7							
	H. Specific Chemical Name						
8							
	H. Specific Chemical Name						
9							
	H. Specific Chemical Name						
10							
	H. Specific Chemical Name						



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

WASTE DISCHARGE PERMIT  
Department of Environmental Quality

Northwest Region Office  
2020 Southwest Fourth Avenue, Portland, OR 97201-4987  
Telephone: (503) 229-5263

Issued pursuant to ORS 468B.050 and The Federal Clean Water Act

ISSUED TO:

Koppers Industries, Inc.  
NW Terminal  
7540 NW St. Helens Road  
Portland OR 97229

SOURCES COVERED BY THIS PERMIT:

<u>Type of Waste</u>	<u>Outfall Number</u>	<u>Outfall Location</u>
Tank Farm runoff and boiler blowdown	001	RM 6.5

PLANT TYPE AND LOCATION:

Coal Tar Pitch Terminal  
7540 NW St. Helens Rd.  
Portland, Oregon

RECEIVING STREAM INFORMATION:

Basin: Willamette  
Sub-Basin: Lower Willamette  
Stream: Willamette River by way of Doane Creek  
LLID/RM 1227618456580/6.5  
County: Multnomah

**EPA REFERENCE NUMBER:** OR 000077-9

Issued in response to Application No. 984280 received 9 May 2003

Neil Mullane, Manager, Water Quality Source Control Program  
Northwest Region

Date

PERMITTED ACTIVITIES

Until this permit expires or is modified or revoked, the permittee is authorized to construct, install, modify or operate a waste water collection, treatment, control and disposal system and discharge to public waters adequately treated waste waters only from the authorized discharge point or points established in Schedule A and only in conformance with all the requirements, limitations, and conditions set forth in the attached schedules as follows:

	<u>Page</u>
Schedule A - Waste Discharge Limitations not to be Exceeded.....	2
Schedule B - Minimum Monitoring and Reporting Requirements.....	3
Schedule C - Compliance Conditions and Schedules.....	-
Schedule D - Special Conditions.....	4
Schedule F - General Conditions.....	5

Unless specifically authorized by this permit, by another NPDES or WPCF permit, or by Oregon Administrative Rule, any other direct or indirect discharge to waters of the state is prohibited, including discharge to an underground injection control system.

<b>SCHEDULE A</b> <b>Waste Discharge Limitations not to be Exceeded After Permit Issuance Date</b>
---

1. Waste Discharge Limitations not to be Exceeded After Permit Issuance Date

Outfall Number 001. Samples are to be collected from the six on-site storage tanks.

<u>Parameter</u>	<u>Concentrations</u>	
	<u>Monthly Ave</u> <u>mg/L</u>	<u>Daily Max.</u> <u>mg/L</u>
Oil and Grease	10	15
Phenols	0.5	0.7
Cyanide	0.0059	0.0085

Other Parameters

Limitations

pH	Shall be within the range of 6.5 to 8.5
Temperature	Shall not exceed 25 °C

Maximum Concentration, µg/L

PAHs, total	250
Benzo(a)anthracene	0.032
Benzo(a)pyrene	0.032
Benzo(b)fluoranthene	0.032
Benzo(k)fluoranthene	0.032
Chrysene	0.032
Dibenzo(ah)anthracene	0.032
Benzene	25
BTEX	250

Individual PAH limits are calculated using limits from OAR 340, Division 41, Table 33A for fish consumption only.

2. Notwithstanding the effluent limitations established by this permit, no wastes shall be discharged and no activities shall be conducted which will violate Water Quality Standards as adopted in OAR 340-41.



<p style="text-align: center;"><b>SCHEDULE B</b> <b>Minimum Monitoring and Reporting Requirements (unless otherwise approved in writing by the Department)</b></p>
--

Outfall Number 001. Samples are to be collected from the six on-site storage tanks.

<u>Item or Parameter</u>	<u>Minimum Frequency</u>	<u>Type of Sample</u>
Flow	Daily	Estimate
Temperature	Daily	Grab
pH	Daily	Grab
Oil and grease	Weekly	Grab
Phenols *	Monthly	Grab
Cyanide	Monthly	Grab
Polynuclear Aromatic Hydrocarbons**	Quarterly	Grab

\* Test procedures for phenols should conform to Standard Methods No. 5530C, latest Edition or equivalent.

\*\* Test procedures for polynuclear aromatic hydrocarbons (PAH) should be EPA Method 610 or equivalent.

In addition, the following metals shall be sampled monthly using grab samples for a period of one year from the issuance date of this permit. At the end of the year, the Department will review the data and determine whether the permit needs to be reopened. The analysis method detection limits must be low enough so that exceedances of fresh water chronic standards per OAR 340-041 Table 20 can be detected.

Priority pollutant metals silver, arsenic, beryllium, cadmium, copper, mercury, nickel, lead, tin, selenium, titanium, and zinc (Ag, As, Be, Cd, Cu, Hg, Ni, Pb, Sb, Se, Ti, and Zn)

#### Reporting Procedures

Monitoring results shall be reported on approved forms. The reporting period is the calendar month. Reports must be submitted to the Department by the 15th day of the following month.

<p><b>SCHEDULE D</b> <b>Special Conditions</b></p>
--

1. Sanitary wastes shall be disposed of to the City of Portland municipal sewage system.
  2. An adequate contingency plan for prevention and handling of spills and unplanned discharges shall be in force at all times. A continuing program of employee orientation and education shall be maintained to ensure awareness of the necessity of good inplant control and quick and proper action in the event of a spill or accident.
  3. No emulsifying agents or detergents shall be discharged into or otherwise be allowed to enter into the oil-water separator. The use of Zep-Big Orange is allowed unless the City of Portland Bureau of Environmental Services requests that its use be discontinued.
- |  |
|--|
|  |
|--|

**SCHEDULE F**  
**NPDES GENERAL CONDITIONS**

**SECTION A. STANDARD CONDITIONS**

1. Duty to Comply with Permit

The permittee must comply with all conditions of this permit. Failure to comply with any permit condition is a violation of the Clean Water Act, Oregon Revised Statutes (ORS) 468B.025, and 40 Code of Federal Regulations (CFR) Section 122.41(a), and grounds for an enforcement action. Failure to comply is also grounds for the Department to modify, revoke, or deny renewal of a permit.

2. Penalties for Water Pollution and Permit Condition Violations

ORS 468.140 allows the Department to impose civil penalties up to \$10,000 per day for violation of a term, condition, or requirement of a permit. Additionally 40 CFR 122.41 (A) provides that any person who violates any permit condition, term, or requirement may be subject to a federal civil penalty not to exceed \$25,000 per day for each violation.

Under ORS 468.943 and 40 CFR 122.41(a), unlawful water pollution, if committed by a person with criminal negligence, is punishable by a fine of up to \$25,000 imprisonment for not more than one year, or both. Each day on which a violation occurs or continues is a separately punishable offense.

Under ORS 468.946, a person who knowingly discharges, places, or causes to be placed any waste into the waters of the state or in a location where the waste is likely to escape into the waters of the state is subject to a Class B felony punishable by a fine not to exceed \$200,000 and up to 10 years in prison. Additionally, under 40 CFR 122.41(a) any person who knowingly discharges, places, or causes to be placed any waste into the waters of the state or in a location where the waste is likely to escape into the waters of the state is subject to a federal civil penalty not to exceed \$100,000, and up to 6 years in prison.

3. Duty to Mitigate

The permittee must take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment. In addition, upon request of the Department, the permittee must correct any adverse impact on the environment or human health resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

4. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and have the permit renewed. The application must be submitted at least 180 days before the expiration date of this permit.

The Department may grant permission to submit an application less than 180 days in advance but no later than the permit expiration date.

5. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

- a. Violation of any term, condition, or requirement of this permit, a rule, or a statute
- b. Obtaining this permit by misrepresentation or failure to disclose fully all material facts
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge
- d. The permittee is identified as a Designated Management Agency or allocated a wasteload under a Total Maximum Daily Load (TMDL)
- e. New information or regulations
- f. Modification of compliance schedules
- g. Requirements of permit reopener conditions
- h. Correction of technical mistakes made in determining permit conditions
- i. Determination that the permitted activity endangers human health or the environment
- j. Other causes as specified in 40 CFR 122.62, 122.64, and 124.5

The filing of a request by the permittee for a permit modification, revocation or reissuance, termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

6. Toxic Pollutants

The permittee must comply with any applicable effluent standards or prohibitions established under Oregon Administrative Rules (OAR) 340-041-0033 for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

7. Property Rights and Other Legal Requirements

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege, or authorize any injury to persons or property or invasion of any other private rights, or any infringement of federal, tribal, state, or local laws or regulations.

8. Permit References



Except for effluent standards or prohibitions established under Section 307(a) of the Clean Water Act and OAR 340-041-0033 for toxic pollutants, all rules and statutes referred to in this permit are those in effect on the date this permit is issued.

9. Permit Fees

The permittee must pay the fees required by Oregon Administrative Rules.

**SECTION B. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS**

1. Proper Operation and Maintenance

The permittee must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems that are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

2. Need to Halt or Reduce Activity Not a Defense

For industrial or commercial facilities, upon reduction, loss, or failure of the treatment facility, the permittee must, to the extent necessary to maintain compliance with its permit, control production or all discharges or both until the facility is restored or an alternative method of treatment is provided. This requirement applies, for example, when the primary source of power of the treatment facility fails or is reduced or lost. It is not a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. Bypass of Treatment Facilities

a. Definitions

- (1) "Bypass" means intentional diversion of waste streams from any portion of the treatment facility. The term "bypass" does not apply if the diversion does not cause effluent limitations to be exceeded, provided the diversion is to allow essential maintenance to assure efficient operation or the diversion is due to nonuse of nonessential treatment units or processes at the treatment facility.
- (2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities or treatment processes that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Prohibition of bypass.

- (1) Bypass is prohibited unless:
  - (a) Bypass was necessary to prevent loss of life, personal injury, or severe property damage;
  - (b) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass that occurred during normal periods of equipment downtime or preventative maintenance; and
  - (c) The permittee submitted notices and requests as required under General Condition B.3.c.
- (2) The Department may approve an anticipated bypass, after considering its adverse effects and any alternatives to bypassing, when the Department determines that it will meet the three conditions listed above in General Condition B.3.b.(1).

c. Notice and request for bypass.

- (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, a written notice must be submitted to the Department at least ten days before the date of the bypass.
- (2) Unanticipated bypass. The permittee must submit notice of an unanticipated bypass as required in General Condition D.5.

4. Upset

a. Definition. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operation error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.

b. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of General Condition B.4.c are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

c. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset must demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An upset occurred and that the permittee can identify the causes(s) of the upset;
- (2) The permitted facility was at the time being properly operated;
- (3) The permittee submitted notice of the upset as required in General Condition D.5, hereof (24-hour notice); and
- (4) The permittee complied with any remedial measures required under General Condition A.3 hereof.

- d. Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.
5. Treatment of Single Operational Upset  
For purposes of this permit, A Single Operational Upset that leads to simultaneous violations of more than one pollutant parameter will be treated as a single violation. A single operational upset is an exceptional incident that causes simultaneous, unintentional, unknowing (not the result of a knowing act or omission), temporary noncompliance with more than one Clean Water Act effluent discharge pollutant parameter. A single operational upset does not include Clean Water Act violations involving discharge without a NPDES permit or noncompliance to the extent caused by improperly designed or inadequate treatment facilities. Each day of a single operational upset is a violation.
6. Overflows from Wastewater Conveyance Systems
- a. Definitions
- (1) "Overflow" means the diversion and discharge of waste streams from any portion of the wastewater conveyance system through a designed overflow device or structure, other than discharges to the wastewater treatment facility.
  - (2) "Severe property damage" means substantial physical damage to property, damage to the conveyance system which causes it to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of an overflow.
  - (3) "Uncontrolled overflow" means the diversion of waste streams other than through a designed overflow device or structure.
- b. Prohibition of overflows. Overflows are prohibited unless:
- (1) Overflows were unavoidable to prevent an uncontrolled overflow, loss of life, personal injury, or severe property damage;
  - (2) There were no feasible alternatives to the overflows, such as the use of auxiliary conveyance systems, or maximization of conveyance system storage; and
  - (3) The overflows are the result of an upset as defined in General Condition B.4. and meeting all requirements of this condition.
- c. Uncontrolled overflows are prohibited where wastewater is likely to escape or be carried into the waters of the State by any means.
- d. Reporting required. Unless otherwise specified in writing by the Department, all overflows and uncontrolled overflows must be reported orally to the Department within 24 hours from the time the permittee becomes aware of the overflow. Reporting procedures are described in more detail in General Condition D.5.
7. Public Notification of Effluent Violation or Overflow  
If effluent limitations specified in this permit are exceeded or an overflow occurs, upon request by the Department, the permittee must take such steps as are necessary to alert the public about the extent and nature of the discharge. Such steps may include, but are not limited to, posting of the river at access points and other places, news releases, and paid announcements on radio and television.
8. Removed Substances  
Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters must be disposed of in such a manner as to prevent any pollutant from such materials from entering waters of the state, causing nuisance conditions, or creating a public health hazard.

### SECTION C. MONITORING AND RECORDS

1. Representative Sampling  
Sampling and measurements taken as required herein must be representative of the volume and nature of the monitored discharge. All samples must be taken at the monitoring points specified in this permit, and shall be taken, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points may not be changed without notification to and the approval from the Department.
2. Flow Measurements  
Appropriate flow measurement devices and methods consistent with accepted scientific practices must be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices must be installed, calibrated and maintained to insure that the accuracy of the measurements is consistent with the accepted capability of that type of device. Devices selected must be capable of measuring flows with a maximum deviation of less than  $\pm 10$  percent from true discharge rates throughout the range of expected discharge volumes.
3. Monitoring Procedures  
Monitoring must be conducted according to test procedures approved under 40 CFR part 136, unless other test procedures have been specified in this permit.
4. Penalties of Tampering  
The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit may, upon conviction, be punished by a fine of not more than \$10,000 per violation, imprisonment for not more than two years, or both. If a conviction of a person is for a violation committed after a first conviction of such person, punishment is a fine not more than \$20,000 per day of violation, or by imprisonment of not more than four years, or both.
5. Reporting of Monitoring Results

Monitoring results must be summarized each month on a Discharge Monitoring Report form approved by the Department. The reports must be submitted monthly and are to be mailed, delivered or otherwise transmitted by the 15th day of the following month unless specifically approved otherwise in Schedule B of this permit.

6. Additional Monitoring by the Permittee

If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 part CFR 136 or as specified in this permit, the results of this monitoring must be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report. Such increased frequency must also be indicated. For a pollutant parameter that may be sampled more than once per day (e.g., Total Chlorine Residual), only the average daily value must be recorded unless otherwise specified in this permit.

7. Averaging of Measurements

Calculations for all limitations that require averaging of measurements must utilize an arithmetic mean, except for bacteria which shall be averaged as specified in this permit.

8. Retention of Records

The permittee must retain records of all monitoring information, including: all calibration, maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit for a period of at least 3 years from the date of the sample, measurement, report, or application. This period may be extended by request of the Department at any time.

9. Records Contents

Records of monitoring information must include:

- a. The date, exact place, time, and methods of sampling or measurements;
- b. The individual(s) who performed the sampling or measurements;
- c. The date(s) analyses were performed;
- d. The individual(s) who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of such analyses.

10. Inspection and Entry

The permittee must allow the Department or an authorized representative upon the presentation of credentials to:

- a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit, and
- d. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by state law, any substances or parameters at any location.

#### **SECTION D. REPORTING REQUIREMENTS**

1. Planned Changes

The permittee must comply with OAR chapter 340, division 52, "Review of Plans and Specifications" and 40 CFR Section 122.41(l) (1). Except where exempted under OAR chapter 340, division 52, no construction, installation, or modification involving disposal systems, treatment works, sewerage systems, or common sewers may be commenced until the plans and specifications are submitted to and approved by the Department. The permittee must give notice to the Department as soon as possible of any planned physical alternations or additions to the permitted facility.

2. Anticipated Noncompliance

The permittee must give advance notice to the Department of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements.

3. Transfers

This permit may be transferred to a new permittee provided the transferee acquires a property interest in the permitted activity and agrees in writing to fully comply with all the terms and conditions of the permit and the rules of the Commission. No permit may be transferred to a third party without prior written approval from the Department. The Department may require modification, revocation, and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Clean Water Act (see 40 CFR Section 122.61; in some cases, modification or revocation and reissuance is mandatory). The permittee must notify the Department when a transfer of property interest takes place.

4. Compliance Schedule

Reports of compliance or noncompliance with, or any progress reports on interim and final requirements contained in any compliance schedule of this permit must be submitted no later than 14 days following each schedule date. Any reports of noncompliance must include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirements.

5. Twenty-Four Hour Reporting

The permittee must report any noncompliance that may endanger health or the environment. Any information must be provided orally (by telephone) within 24 hours, unless otherwise specified in this permit, from the time the permittee becomes aware of the circumstances. During normal business hours, the Department's Regional office must be called. Outside of normal business hours, the Department must be contacted at 1-800-452-0311 (Oregon Emergency Response System).

A written submission must also be provided within 5 days of the time the permittee becomes aware of the circumstances. Pursuant to ORS 468.959 (3) (a), if the permittee is establishing an affirmative defense of upset or bypass to any offense under ORS 468.922 to 468.946, delivered written notice must be made to the Department or other agency with regulatory jurisdiction within 4 (four) calendar days of the time the permittee becomes aware of the circumstances. The written submission must contain:

- a. A description of the noncompliance and its cause;
- b. The period of noncompliance, including exact dates and times;
- c. The estimated time noncompliance is expected to continue if it has not been corrected;
- d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and
- e. Public notification steps taken, pursuant to General Condition B.6

The following must be included as information that must be reported within 24 hours under this paragraph:

- f. Any unanticipated bypass that exceeds any effluent limitation in this permit;
- g. Any upset that exceeds any effluent limitation in this permit;
- h. Violation of maximum daily discharge limitation for any of the pollutants listed by the Department in this permit; and
- i. Any noncompliance that may endanger human health or the environment.

The Department may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

6. Other Noncompliance

The permittee must report all instances of noncompliance not reported under General Condition D.4 or D.5, at the time monitoring reports are submitted. The reports must contain:

- a. A description of the noncompliance and its cause;
- b. The period of noncompliance, including exact dates and times;
- c. The estimated time noncompliance is expected to continue if it has not been corrected; and
- d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

7. Duty to Provide Information

The permittee must furnish to the Department within a reasonable time any information that the Department may request to determine compliance with this permit. The permittee must also furnish to the Department, upon request, copies of records required to be kept by this permit.

Other Information: When the permittee becomes aware that it has failed to submit any relevant facts or has submitted incorrect information in a permit application or any report to the Department, it must promptly submit such facts or information.

8. Signatory Requirements

All applications, reports or information submitted to the Department must be signed and certified in accordance with 40 CFR Section 122.22.

9. Falsification of Information

Under ORS 468.953, any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, is subject to a Class C felony punishable by a fine not to exceed \$100,000 per violation and up to 5 years in prison. Additionally, according to 40 CFR 122.41(k)(2), any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a federal civil penalty not to exceed \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

10. Changes to Discharges of Toxic Pollutant

The permittee must notify the Department as soon as it knows or have reason to believe of the following:

- a. That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any toxic pollutant that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
  - (1) One hundred micrograms per liter (100 µg/l);
  - (2) Two hundred micrograms per liter (200 µg/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
  - (3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR Section 122.21(g)(7); or
  - (4) The level established by the Department in accordance with 40 CFR Section 122.44(f).
- b. That any activity has occurred or will occur that would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
  - (1) Five hundred micrograms per liter (500 µg/l);
  - (2) One milligram per liter (1 mg/l) for antimony;
  - (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR Section 122.21(g)(7); or
  - (4) The level established by the Department in accordance with 40 CFR Section 122.44(f).

**SECTION E. DEFINITIONS**

1. *BOD* means five-day biochemical oxygen demand.

2. *TSS* means total suspended solids.
3. "*Bacteria*" includes but is not limited to fecal coliform bacteria, total coliform bacteria, and *E. coli* bacteria.
4. *FC* means fecal coliform bacteria.
5. *Total residual chlorine* means combined chlorine forms plus free residual chlorine
6. *Technology based permit effluent limitations* means technology-based treatment requirements as defined in 40 CFR Section 125.3, and concentration and mass load effluent limitations that are based on minimum design criteria specified in OAR Chapter 340, Division 41.
7. *mg/l* means milligrams per liter.
8. *kg* means kilograms.
9. *m<sup>3</sup>/d* means cubic meters per day.
10. *MGD* means million gallons per day.
11. 24-hour *Composite sample* means a combination of at least six discrete sample aliquots of at least 100 milliliters, collected at periodic intervals from the same location, during the operating hours of the facility over a 24 hour period. Four (rather than six) aliquots should be collected for volatile organics analyses. The composite must be flow or time proportional, whichever is more appropriate. The sample aliquots must be collected and stored in accordance with procedures prescribed in the most recent edition of *Standard Methods for the Examination of Water and Wastewater*.
12. *Grab sample* means an individual discrete sample collected over a period of time not to exceed 15 minutes.
13. *Quarter* means January through March, April through June, July through September, or October through December.
14. *Month* means calendar month.
15. *Week* means a calendar week of Sunday through Saturday.

**Public Notice**

**Public Notice DRAFT**

**FACT SHEET**

and

**NPDES WASTE DISCHARGE PERMIT EVALUATION**

5 October 2006

Department of Environmental Quality - Northwest Region  
2020 SW 4<sup>th</sup> Avenue, Portland OR 97201-4987  
Telephone: (503) 229-5263

**PERMITTEE:** Koppers Industries, Inc.  
Northwest Terminal  
File No. 47430

**SOURCE CONTACT:**

<u>Name</u>	<u>Phone Number</u>
T. J. Turner	503/286-3681

**REVIEWER:** Elliot Zais, Northwest Region

**TO:** Neil Mullane, Manager  
Water Quality Program, Northwest Region

**PROPOSED ACTION:** Permit Renewal

**SOURCE CATEGORY:** Coal Tar Products Pitch Terminal  
Minor Industrial Source

**PERMIT APPLICATION DATE:** 9 August 2003

**PERMIT APPLICATION NUMBER:** 984280

**EPA REFERENCE NUMBER:** OR 000077-9

**INTRODUCTION**

Koppers Industries, Inc. (Koppers) operates a storage and distribution terminal for pencil pitch, located at 7540 NW St. Helens Road in Portland, Oregon.

Koppers' NPDES permit expired on 31 January 2004.

### **FACILITY DESCRIPTION AND UPDATE**

Koppers Northwest Terminal occupies a 2.6 hectare site on the Willamette River at RM 6.5. Much of the site is a tank farm. Coal tar pitch and other related products are shipped into the terminal via railroad tank cars or via bulk cargo ships. These products are either stored or further remanufactured prior to distribution. Outbound shipments are made via tank truck or railroad. The tank farm is split into two sections: the majority of the tanks are located in the main tank containment area, the floor of which is about 1.2 to 1.8 meters below the local ground surface level; a smaller number of tanks are located adjacent to the main tank containment area at ground surface level. These tanks are all provided with containment walls, and all storm drainage goes into the main containment area. Storm drainage from the parking area goes into the main containment area as well.

A boiler to provide steam to tank heaters is located on site outside of the main containment area. Boiler blowdown is discharged to the ground surface and drains to the main containment area. Boiler condensate from the tank heaters also discharges into the main containment area.

Most of the site is paved, including all material loading and unloading areas. Water which contacts the pavement anywhere on site runs to a nearby sump. The sumps contain floats and water pumps. When the water level within the sump reaches a predetermined level, the pump is activated and the water is sent to the main sump located near the water storage tanks. There is an oil-water separator in the main sump. The water in the main sump is pumped into one of six wastewater storage tanks. When a tank becomes full, the water within it is tested as specified in the permit. When the test results are received, the water is released to the Doane Creek and thence to the Willamette River if it meets discharge requirements.

The purpose of this NPDES permit is to prescribe effluent limitations for wastewater discharged into the Willamette River by way of Doane Creek.

### **UNIQUE OPERATING CONDITIONS AND PROBLEMS**

None.

### **STORMWATER**

Stormwater is managed under this individual NPDES permit.

### **OUTFALL**

The outfall is a public storm drainage ditch named Doane Creek which drains to City of Portland Outfall 22C which discharges to the Willamette River.

## **THREATENED AND ENDANGERED SPECIES REVIEW**

The following analysis is taken from the draft Total Maximum Daily Load document for the Lower Willamette Basin.

### **Sensitive Beneficial Use Identification**

Oregon Administrative Rules (OAR 340 – 41 – 340, Table 340A) lists the beneficial uses occurring within the Willamette River Basin tributaries and are applicable to streams within the Lower Willamette Subbasin. Resident fish and aquatic life and salmonid spawning, rearing and migration are the most sensitive temperature-related beneficial uses occurring in the watershed (**Table 3.4**). Beneficial uses highlighted in grey are known or assumed to be occurring. Beneficial uses and the associated water quality standards are generally applicable basin-wide. At a minimum, uses are considered attainable wherever feasible or wherever attained historically. Numeric and narrative water quality standards are designed to protect the most sensitive beneficial uses.

*Salmonid fish  
rearing and  
spawning are the  
most  
temperature-  
sensitive  
beneficial uses  
in the Lower*

The distribution of fish in the subbasin varies through the year and temperature impairment is in part a function of fish habitat requirements and usage. In addition to the salmonid timing and use information provided on OAR 340, Division 41, detailed timing and use information is provided for the Columbia Slough, Johnson Creek and Tryon Creek in **Sections 5.3.2 through 5.3.4**, below.



**Table 3.4. Beneficial Uses Occurring in the Willamette River Basin Tributaries  
(OAR 340 – 41 – 340, Table 340A)**

<b>Beneficial Use</b>	<b>Clackamas R.</b>	<b>Molalla R.</b>	<b>Santiam R.</b>	<b>McKenzie R.</b>	<b>Tualatin R.</b>	<b>All Other Tributaries</b>
Public Domestic Water Supply <sup>1</sup>	✓	✓	✓	✓	✓	✓
Private Domestic Water Supply <sup>1</sup>	✓	✓	✓	✓	✓	✓
Industrial Water Supply	✓	✓	✓	✓	✓	✓
Irrigation	✓	✓	✓	✓	✓	✓
Livestock Watering	✓	✓	✓	✓	✓	✓
Anadromous Fish Passage	✓	✓	✓	✓	✓	✓
Salmonid Fish Rearing	✓	✓	✓	✓	✓	✓
Salmonid Fish Spawning	✓	✓	✓	✓	✓	✓
Resident Fish and Aquatic Life	✓	✓	✓	✓	✓	✓
Wildlife and Hunting	✓	✓	✓	✓	✓	✓
Fishing	✓	✓	✓	✓	✓	✓
Boating	✓	✓	✓	✓	✓	✓
Water Contact Recreation	✓	✓	✓	✓	✓	✓
Aesthetic Quality	✓	✓	✓	✓	✓	✓
Hydro Power	✓	✓	✓	✓	✓	✓

<sup>1</sup> With adequate pretreatment (filtration and disinfection) and natural quality to meet water quality standards.

### **POLLUTANTS DISCHARGED AND PROPOSED LIMITS**

The runoff discharged from the site is currently regulated for oil and grease, phenols, pH and polynuclear aromatic hydrocarbons (PAHs). In addition, monitoring is required for flow and temperature.

The Koppers facility is located on the former Portland Gas and Coke Company (Gasco) site (35 acres) which was a manufactured gas plant and oil gasification facility from 1913 to 1956. Waste from this manufacturing process was disposed of on site. Northwest Natural is the successor company to Gasco. Siltronic has built a chip fabrication plant on a large portion of the site. In August 1994 Northwest Natural entered into an agreement with the Department to conduct a remedial investigation and feasibility study at the site. Phase I was completed in March 1996. The investigation is still continuing. Hazardous substances associated with the manufacturing gas waste that could be a concern in stormwater include:

- Cyanide
- Priority pollutant metals silver, arsenic, beryllium, cadmium, copper, mercury, nickel, lead, tin, selenium, titanium, and zinc (Ag, As, Be, Cd, Cu, Hg, Ni, Pb, Sb, Se, Ti, and Zn)
- Tars, tar oils and various petroleum distillants
- Polynuclear aromatic hydrocarbons (PAHs)
- Phenols

Individual NPDES permits always include some variant of the following “notwithstanding clause:

Notwithstanding the effluent limitations established by this permit, no wastes shall be discharged and no activities shall be conducted which will violate Water Quality Standards as adopted in OAR 340-41.

If concerns about previously unspecified pollutants come to the Department’s attention, the Department can set limits for these pollutants and include them in Schedule A during permit renewal or by modifying the permit. The NPDES permit for Koppers already has effluent limitations and monitoring requirements for PAHs and phenols. For this renewal, we will lower the total PAH limit, add some specific PAH and cyanide limits, and require monitoring for priority pollutant metals for one year. If the results indicate a problem for certain pollutants, then we will set permit limits for those pollutants.

In order to issue a permit, the Department must perform a review per the requirements of OAR 340-041-0004. The Department must determine that the discharge will not cause or contribute to any water quality violations before allowing a new mass load discharge. This is not a new or increased load, but the review is still useful. Below is a listing of the required findings and considerations, followed by the Department’s conclusions:

**340-041-0004 Antidegradation.**

**(1) Purpose.** The purpose of the Antidegradation Policy is to guide decisions that affect water quality such that unnecessary further degradation from new or increased point and nonpoint sources of pollution is prevented, and to protect, maintain, and enhance existing surface water quality to ensure the full protection of all existing beneficial uses. The standards and policies set forth in OAR 340-041-0007 through 340-041-0350 are intended to supplement the Antidegradation Policy.

Conclusion. The NPDES permit for Kopper's discharge is a permit renewal with no increase in discharged load. Permit renewals with the same discharge load as the previous permit are not considered to lower water quality from existing water quality. Thus, the Department finds that the discharge is not subject to an in-depth antidegradation review. (*Antidegradation Policy Implementation Internal Management Directive for NPDES Permits and Section 401 Water Quality Certifications, ODEQ March 2001*).

**(2) Growth Policy.** In order to maintain the quality of waters in the State of Oregon, it is the general policy of the Commission to require that growth and development be accommodated by increased efficiency and effectiveness of waste treatment and control such that measurable future discharged waste loads from existing sources do not exceed presently allowed discharged loads except as provided in section (3) through (9) of this rule.

Conclusion. Based on discussions with the Department's Cleanup Program and the use of Table 33A, permit limits for some PAHs have been lowered significantly and a limit has been set for cyanide. This will probably require the facility to install an efficient, effective treatment system, such as a granular activated carbon unit, to meet the limits. See further discussion below under Toxic Substances.

**(9)(a)(C)** The continuing discharged load will not unacceptably threaten or impair any recognized beneficial uses or adversely affect threatened or endangered species. In making this determination, the Commission or Department may rely upon the presumption that if the numeric criteria established to protect specific uses are met the beneficial uses they were designed to protect are protected. In making this determination the Commission or Department may also evaluate other State and federal agency data that would provide information on potential impacts to beneficial uses for which the numeric criteria have not been set.

Conclusion. Based on the above review under Purpose stating that the load will not be increased and the new effluent limits being set, the Department believes that the continuing load will not unacceptably threaten or impair any recognized beneficial uses. There will be no load increases in this permit renewal.

**(9)(b)** The activity, expansion or growth necessitating a new or increased discharge load is consistent with the acknowledged local land use plans as evidenced by a statement of land use compatibility from the appropriate local planning agency.

Conclusion. Koppers has filed a land use compatibility statement with the City of Portland. It has been approved.

**(9)(c)** Oregon's water quality management policies and programs recognize that Oregon's water bodies have a finite capacity to assimilate waste. Unused assimilative capacity is an exceedingly valuable resource that enhances in-stream values and environmental quality in general. Allocation of any unused assimilative capacity should be based on explicit criteria. In addition to the conditions in subsection (a) of this section, the Commission or Department may consider the following:

**(A) Environmental Effects Criteria:**

(i) Adverse Out-of-Stream Effects. There may be instances where the discharge or limited discharge alternatives may cause greater adverse environmental effects than the increased discharge alternative.

Conclusion. Not applicable to this situation.

(ii) Instream Effects. Total stream loading may be reduced through elimination or reduction of other source discharges or through a reduction in seasonal discharge. A source that replaces other sources, accepts additional waste from less efficient treatment units or systems, or reduces discharge loadings during periods of low stream flow may be permitted an increased discharge load year-round or during seasons of high flow, so long as the loading has no adverse effect on threatened and endangered species;

Conclusion. Not applicable to this situation.

(iii) Beneficial Effects. Land application, upland wetlands application, or other non-discharge alternatives for appropriately treated wastewater may replenish groundwater levels and increase streamflow and assimilative capacity during otherwise low streamflow periods.

Conclusion. Not applicable to this situation.

**(9)(c)(B) Economic Effects Criteria:**

(i) Value of Assimilative Capacity. The assimilative capacity of Oregon's streams is finite, but the potential uses of this capacity are virtually unlimited. Thus it is important that priority be given to those beneficial uses that promise the greatest return (beneficial use) relative to the unused assimilative capacity that might be utilized. In-stream uses that benefit from reserve assimilative capacity, as well as potential future beneficial use, will be weighed against the economic benefit associated with increased loading.

Conclusion. The assimilative or loading capacity is defined as "the greatest amount of loading that a water body can receive without violating water quality standards." There was one exceedance of the phenol limitation during the last permit cycle. None of the laboratory data submitted with the renewal application suggest that the discharge will use any significant portion of the assimilative capacity of the Willamette River. There will be no increase in assimilative capacity use. The current discharge equals less than 0.006 percent of the Willamette River's flowrate, i.e., about 0.34 cfs vs the 7Q10 flowrate of 5900 cfs. However, there are times when the Koppers discharge constitutes the entire flow in Doane Creek. Therefore, the Department has looked at the effects of the discharge considering Doane Creek as the receiving stream.

(ii) Cost of Treatment Technology. The cost of improved treatment technology, nondischarge, and limited discharge alternatives may be evaluated.

Conclusion. Non-discharge is not a practical alternative to discharge because of the large volumes of water involved. Evaporation of the water would be prohibitively expensive as well as wasting fuel if heating was used to cause evaporation. There is no place where the water could be used for irrigation. Discharge is appropriate, but the new stricter limits must be met.

As with all NPDES permits issued for facilities that propose to discharge wastewater to waters of the state, the proposed draft permit for the Koppers facility was drafted to ensure that all state wide water quality standards contained in OAR 340-041-0007 through 340-041-0053 and all basin-specific water quality standards would be achieved.

Each of the parameters listed is discussed below followed by the conclusions reached during this review.

### **340-041-0007**

#### **Statewide Narrative Criteria**

(1) Notwithstanding the water quality standards contained in this Division, the highest and best practicable treatment and/or control of wastes, activities, and flows must in every case be provided so as to maintain dissolved oxygen and overall water quality at the

highest possible levels and water temperatures, coliform bacteria concentrations, dissolved chemical substances, toxic materials, radioactivity, turbidities, color, odor, and other deleterious factors at the lowest possible levels.

Conclusion. The currently used technology is appropriate to meet the conditions of the previous permit. The water to be discharged is held in tanks to allow settling of any suspended material and is tested before it is allowed to be discharged. In order to meet the new effluent limitations, Koppers will likely need to add a treatment system.

(2) Where a less stringent natural condition of a water of the State exceeds the numeric criteria set out in this Division, the natural condition supersedes the numeric criteria and becomes the standard for that water body. However, there are special restrictions, described in OAR 340-041-0004(9)(a)(C)(iii), that may apply to discharges that affect dissolved oxygen.

Conclusion. Not applicable in this situation. No less stringent natural condition has been identified. Therefore, the established numeric criteria will be used for this site.

**(11) Fungi.**

Conclusion. The Koppers facility's discharge is not expected to contain fungi or to promote their growth.

**(12) Tastes, odors, or toxic or other conditions.**

Conclusion. The Koppers facility's discharge is not expected to create tastes or odors or to affect potability of drinking water or palatability of fish or shellfish. However, the Department is concerned that Koppers' discharge may be deleterious to aquatic life. In order to address these concerns, we are adding additional monitoring requirements and permit limits to the permit. The concerns are described below.

This reach of Doane Creek has limited water flow and gradient with a reasonable potential for deposition and accumulation of contaminants present in the Koppers NPDES discharge.

This reach of Doane Creek has been identified by the U.S. Army Corps of Engineers as a potential candidate for habitat restoration for threatened and endangered salmonid recovery.

This reach of Doane Creek is part of the NW Natural Gasco, Siltronic, and Rhone Poulenc cleanup sites and has been determined to be sensitive habitat for the purposes of

ecological risk assessments that are both pending and in progress. Based on available remedial investigation data from the Siltronic site, Doane Creek, and the Northwest Drainage Pond, DEQ anticipates that remedial measures to protect this sensitive habitat will be required for many of the contaminants present in the Koppers' NPDES discharge.

**(13) Deposits.**

Conclusion. Wastewater is held in storage tanks until it is tested before discharge. The residence time allows solids to settle out. The Koppers facility's discharge is not expected to contain material which would cause appreciable deposition in the river. Furthermore, any treatment system capable of meeting the new permit limits will also remove solids very efficiently.

**(14) and (15) Objectionable conditions and offensive aesthetic conditions.**

Conclusion. Based on previous operation or on knowledge of similar facilities, the Koppers facility's discharge is not expected to cause offensive aesthetic conditions.

**(16) Radioisotopes.**

Conclusion. No radioactive materials are used in the facility's processes. The Koppers facility's discharge is not expected to contain radioisotopes.

**340-041-0009**

**Bacteria**

Conclusion. There is no sewage connected with this discharge. The portion of the Koppers facility's discharge involving boiler blowdown is not expected to contain bacteria. However, because the runoff water is exposed to the elements, it may contain bacteria from animal droppings. The general stormwater permit does not have limitations on bacteria for facilities such as Koppers. See further discussion below in the Water Quality Limited Waters section.

**340-041-0016**

**Dissolved Oxygen**

(1) Dissolved oxygen (DO): No wastes may be discharged and no activities must be conducted that either alone or in combination with other wastes or activities will cause violation of the following standards: The changes adopted by the Commission on January 11, 1996, become effective July 1, 1996. Until that time, the requirements of this rule that were in effect on January 10, 1996, apply:

(a) For water bodies identified as active spawning areas in the places and times indicated on the following Tables and Figures set out in OAR 340-041-0101 to OAR 340-041-0340: Tables 101B, 121B, 180B, 201B and 260B, and Figures 130B, 151B, 160B, 170B, 220B, 230B, 271B, 286B, 300B, 310B, 320B, and 340B, (as well as any active spawning area used by resident trout species), the following criteria apply during the applicable spawning through fry emergence periods set forth in the tables and figures:

(A) The dissolved oxygen may not be less than 11.0 mg/l. However, if the minimum intergravel dissolved oxygen, measured as a spatial median, is 8.0 mg/l or greater, then the DO criterion is 9.0 mg/l;

(B) Where conditions of barometric pressure, altitude, and temperature preclude attainment of the 11.0 mg/l or 9.0 mg/l criteria, dissolved oxygen levels must not be less than 95 percent of saturation;

(C) The spatial median intergravel dissolved oxygen concentration must not fall below 8.0 mg/l.

(b) For water bodies identified by the Department as providing cold-water aquatic life, the dissolved oxygen may not be less than 8.0 mg/l as an absolute minimum. Where conditions of barometric pressure, altitude, and temperature preclude attainment of the 8.0 mg/l, dissolved oxygen may not be less than 90 percent of saturation. At the discretion of the Department, when the Department determines that adequate information exists, the dissolved oxygen may not fall below 8.0 mg/l as a 30-day mean minimum, 6.5 mg/l as a seven-day minimum mean, and may not fall below 6.0 mg/l as an absolute minimum (Table 21);

(c) For water bodies identified by the Department as providing cool-water aquatic life, the dissolved oxygen may not be less than 6.5 mg/l as an absolute minimum. At the discretion of the Department, when the Department determines that adequate information exists, the dissolved oxygen may not fall below 6.5 mg/l as a 30-day mean minimum, 5.0 mg/l as a seven-day minimum mean, and may not fall below 4.0 mg/l as an absolute minimum (Table 21);

(d) For water bodies identified by the Department as providing warm-water aquatic life, the dissolved oxygen may not be less than 5.5 mg/l as an absolute minimum. At the discretion of the Department, when the Department determines that adequate information exists, the dissolved oxygen may not fall below 5.5 mg/l as a 30-day mean minimum, and may not fall below 4.0 mg/l as an absolute minimum (Table 21);

(e) For estuarine water, the dissolved oxygen concentrations may not be less than 6.5 mg/l (for coastal water bodies);

(f) For ocean waters, no measurable reduction in dissolved oxygen concentration may be allowed.

Conclusion. The applicant provided two extensive chemical analyses of their wastewater. The two analyses showed non-detect for BOD<sub>5</sub> at a detection limit of 5 mg/L. I spoke with personnel at the lab which did the analyses and found that the actual estimated BOD<sub>5</sub> was 4.58 mg/L. This is a low concentration of BOD<sub>5</sub>. It does not need to be regulated. There are no EPA effluent limit guidelines which cover the operations at Koppers. The only ELGs which are somewhat relevant are for pitch tar residues. The daily maximum and



monthly average maximum for BOD<sub>5</sub> for pitch tar residues in wastewater are 80 mg/L and 30 mg/L, respectively. There have not been any BOD<sub>5</sub> analyses performed on discharges from Northwest Natural Gas. Based on the pollutants in the Koppers facility's wastewater, this discharge will not have a substantive BOD load.

### **340-041-0021**

#### **pH**

- (1) Unless otherwise specified in OAR 340-041-0101 through 340-041-0350, pH values (Hydrogen ion concentrations) may not fall outside the following ranges:
- (a) Marine waters: 7.0 – 8.5;
  - (b) Estuarine and fresh waters: 6.5 – 8.5.
- (2) Waters impounded by dams existing on January 1, 1996, which have pHs that exceed the criteria are not in violation of the standard, if the Department determines that the exceedance would not occur without the impoundment and that all practicable measures have been taken to bring the pH in the impounded waters into compliance with the criteria.

#### **Willamette Basin**

- (1) pH (hydrogen ion concentration). pH values may not fall outside the following ranges:
- (a) All basin waters (except main stem Columbia River and Cascade lakes): 6.5 to 8.5;

Conclusion. The DMR data from 2000 through 2003 showed a pH minimum of 6.0 with a maximum of 8.6. The average of daily average readings was 6.9. Only three values were between 6.0 and 6.5 and only one was over 8.5. The runoff water is not expected to have a pH outside the range 6.5 -8.5.

### **340-041-0028**

#### **Temperature**

(4) Biologically Based Numeric Criteria. Unless superseded by the natural conditions criteria described in section (8) of this rule, or by subsequently adopted site-specific criteria approved by EPA, the temperature criteria for State waters supporting salmonid fishes are as follows:

(d) The seven-day average maximum temperature of a stream identified as having a migration corridor use...may not exceed 20.0 degrees Celsius (68.0 degrees Fahrenheit).

(8) Natural Conditions Criteria. Where the department determines that the natural thermal potential of all or a portion of a water body exceeds the biologically-based criteria in section (4) of this rule, the natural thermal potential temperatures supersede the biologically-based criteria, and are deemed to be the applicable temperature criteria for that water body.

Conclusion. The discharge from Koppers is so small that no temperature wasteload allocation is planned for it in the Willamette River TMDL. The facility will be required to monitor for temperature. The average temperature reported on DMRs from 2000 through 2005 was 12.7 °C. There were four instances of temperatures over 20 °C. The maximum temperature was 23.9 °C. There is no reason to retain the previous high temperature limitation. The temperature effluent limitation will be lowered from 43.3 °C to 25 °C. We conclude that there is no reasonable potential for the facility to violate the temperature standard.

#### **340-041-0031**

##### **Total Dissolved Gas.**

(1) Waters will be free from dissolved gases, such as carbon dioxide hydrogen sulfide, or other gases, in sufficient quantities to cause objectionable odors or to be deleterious to fish or other aquatic life, navigation, recreation, or other reasonable uses made of such water

Conclusion. Water cascading over dams commonly entrains air to a supersaturated level. Elevated TDG can cause gas bubble disease in aquatic organisms. There is no gas used or generated at this facility. Therefore, the Koppers facility's discharge is not expected to cause increases of dissolved gases in sufficient quantities to cause objectionable odors or to be deleterious to fish or other aquatic life, navigation, recreation, or other reasonable uses made of the receiving water.

#### **340-041-0032**

##### **Total Dissolved Solids**

The concentrations listed below may not be exceeded unless otherwise specifically authorized by DEQ upon such conditions as it may deem necessary: All Fresh Water Streams and Tributaries - 100 mg/L.

Willamette Basin. 340-041-0345 (2) Total Dissolved Solids. Guide concentrations listed may not be exceeded unless otherwise specifically authorized by DEQ upon such conditions as it may deem necessary to carry out the general intent of this plan and to protect the beneficial uses set forth in OAR 340-041-0340: Willamette River and Tributaries —100.0 mg/l.

Conclusion. Koppers has the following wastewater streams: stormwater, boiler blowdown, and boiler condensate.

The tank farm is split into two sections: the majority of the tanks are located in the main tank containment area. All storm drainage from the tank farm goes into the main containment area. Storm drainage from the parking area goes into the main containment area as well. The Department has never considered TDS to be a parameter of concern for stormwater.

Boiler blowdown is discharged to the ground surface and drains to the main containment area. Boiler condensate from the tank heaters also discharges into the main containment area. The Department has never considered TDS to be a parameter of concern for boiler blowdown or condensate.

Coal tar pitch has negligible solubility according to the Cornell University Material Safety Data Sheet for coal tar pitch. The Koppers facility's effluent is not expected to contain significant amounts of dissolved solids.

### 340-041-0033

#### Toxic Substances

(1) Toxic substances may not be introduced above natural background levels in the waters of the State in amounts, concentrations, or combinations that may be harmful, may chemically change to harmful forms in the environment, or may accumulate in sediments or bioaccumulate in aquatic life or wildlife to levels that adversely affect public health, safety or welfare, aquatic life, wildlife, or other designated beneficial uses;

(2) Levels of toxic substances may not exceed the criteria listed in Table 20 which were based on criteria established by EPA and published in *Quality Criteria for Water* (1986), unless otherwise noted

Many toxic substances have limits set in OAR 340-041-Table 20. When appropriate, these limits are explicitly stated in NPDES permits. Some toxics are explicitly dealt with in promulgated TMDLs. See discussion below.

Conclusion. Based on discussions with the Department's Cleanup Program, additional limits and monitoring requirements are being included for one year for all of the pollutants mentioned on page 5. The results of this monitoring will be used to determine whether Koppers's wastewater requires further treatment before discharge or whether additional effluent limitations need to be established.

The permit limit for PAH has been 1000 µg/L for total PAHs. The limit was set in 1992 based on previous PAH analyses and has not been reviewed until this renewal. Over the last six years the maximum PAH concentration was 194 µg/L with an average of 61.4 µg/L. For this renewal the total PAH limit will be lowered to 250 µg/L because there is no need to have the large margin provided by the 1000 µg/L limit. Human health limits from OAR 340-41-Table 33A will be set for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and dibenzo(ah)anthracene. The

limits were calculated using the Department's RPA spreadsheet and using the human health limits for fish ingestion.

The permit will require monthly monitoring for priority pollutant metals for one year.

### 340-041-0036

#### Turbidity

Turbidity (Nephelometric Turbidity Units, NTU): No more than a ten percent cumulative increase in natural stream turbidities shall be allowed, as measured relative to a control point immediately upstream of the turbidity causing activity.

Conclusion. Wastewater generally settles in tanks for several days before it is discharged. All of the pollutants that have been sampled for are either present in low concentrations or are not detected. We have not received reports of visible plumes from the facility. Based on these considerations, the discharge from the Koppers facility is not expected to affect instream turbidity.

### 340-041-0046

#### Water Quality Limited Waters

(5) For water bodies designated as water quality limited under OAR 340-041-0002(67) (a) or (b), requests for load increases may be considered using the process set out in OAR 340-041-0004(9)(a).

Conclusion: The Willamette River is water quality limited for the following parameters:

	Maximum reported at facility	Fresh chronic WQ standards
Fecal Coliform	490 cfu/100 mL	
Dieldrin	ND >4 µg/L	0.0019 µg/L
DDT	ND >8 µg/L	0.001 µg/L
DDT Metabolite (DDE)	ND >0.004 mg/L	---
Polynuclear Aromatic Hydrocarbons	194 µg/L	
Biological Criteria	-----	
Mercury	1.1 µg/L	0.012 µg/L
Aldrin	ND >0.004 mg/L	---
Temperature	23.9 °C	
PCB	ND >0.0028 mg/L	---
Manganese	ND >0.004 mg/L	---
Iron	1.5 mg/L	1 mg/L
Pentachlorophenol	ND >25 µg/L	13 µg/L at pH 7.8

The detection limits for the pesticides and pentachlorophenol were too high to be sure that they are not present. However, they are not used on site. One fecal coliform sample was somewhat high, but there is no direct correlation between FC and e. coli. We can only say that the e. coli concentration should be less than the fecal coliform. The 1200-Z general stormwater permit has a benchmark of 406 counts/100 mL for e. coli for landfills, if septage and sewage biosolids are disposed at the site, and sewage treatment plants. This facility does not fit any of these categories. Furthermore, as stated above there is no human sewage associated with this discharge. The facility is not a significant contributor of iron. This discharge is not expected to cause or contribute to any exceedances of the above pollutants in the receiving stream by a measurable amount. The permit has effluent limits for pH, PAH, temperature, oil and grease, and phenols.

#### **340-041-0344**

##### **Approved TMDLs in the Basin:**

The following TMDL for the Willamette River has been approved by EPA: dioxin, bacteria, mercury, and temperature.

The concentration limit for dioxin is set at 13 femtograms/liter.

Koppers discharge is not expected to cause or contribute to exceedances of any of the TMDL parameters. Koppers has no individual WLAs.

#### **340-041-0053**

##### **Mixing Zones**

(1) The Department may allow a designated portion of a receiving water to serve as a zone of dilution for wastewaters and receiving waters to mix thoroughly and this zone will be defined as a mixing zone;

Conclusion. This permit is establishing several new effluent limits. The nature of the discharge pipe to the Willamette does not cause much mixing of the effluent with the river. Therefore, the mixing zone will be removed from the permit and all limits will be met at the end of the pipe where Koppers has been taking compliance samples.

### **COMPLIANCE HISTORY**

Notices of Noncompliance were issued in March 1997 and May 2000 for phenol exceedances.

### **PROPOSED PERMIT**

The proposed renewal permit is attached.



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

February 5, 2003

Mr. Amos Kamerer  
Koppers, Industries  
7540 NW St. Helens Rd.  
Portland, Oregon 97210

RE: Discontinuance of Industrial Wastewater Discharge Permit #314.001

Dear Mr. Kamerer,

During the yearly inspection, it was determined that your facility no longer manufactures products but is mainly a distribution facility. Therefore, your company is no longer subject to federal categorical limitations and a wastewater discharge permit is no longer required. This letter authorizes **discontinuance of Industrial Wastewater Discharge Permit #314.001.**

Koppers Industries now falls into the non-permitted classification. You still will be required to comply with City Code 17.34, Portland's Industrial Wastewater Discharge Ordinance, including the general discharge prohibitions (17.34.030) and to notify the City if the characteristics or volume of your wastewater discharge changes significantly.

If you have any questions or comments, please contact me at 503-823-7230 (telephone) or 503-823-5559 (fax).

Respectfully,

Ann O'Roke  
Source Control

cc: Miguel Santana/BES  
Industry file

cc: T. Self  
B. BAUMAN

Koppers012620



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

June 17, 2004

JUN 21 2004

Amos Kamerer  
Koppers Industries  
7540 NW St Helens Rd  
Portland OR 97210

Re: Industrial Wastewater Discharge Permit Modification

The Oregon Department of Environmental Quality (DEQ) conducted its annual Pretreatment Compliance Inspection (PCI) on the City of Portland's Pretreatment Program during the week of April 19-22, 2004. As a result of the inspection, DEQ required and recommended several actions. One of the requirements was for the City to *"Modify the permits to include specific permit language defining the federal pretreatment General Prohibitions."*

In response to this requirement, the City has modified its Industrial Wastewater Discharge Permits. Enclosed you will find a copy of Schedule F, which lists the General Prohibitions applicable to all permitted industries. Please attach the enclosed information to your existing Industrial Discharge Permit.

Should you have any questions, please feel free to contact me at 503-823-7468 or contact your Permit Manager.

Sincerely,

Miguel A. Santana  
Environmental Manager

Koppers012621

**Schedule F**  
**GENERAL DISCHARGE PROHIBITIONS**

Expiration Date  
Permit Number:  
Page: F1

---

**Schedule F**  
**GENERAL DISCHARGE PROHIBITIONS**

The permittee shall not discharge, cause to discharge or allow to discharge directly or indirectly into the City sewer system any of the following:

1. Wastewater containing substances in such concentrations that they inhibit or interfere with the operation or performance of the sewer system, or that are not amenable to treatment or reduction by the sewage treatment process employed, or are only partially amenable to treatment such that the sewage treatment plant effluent cannot meet the requirements of any agency having jurisdiction over its discharge to the receiving waters, or that prevent or impair the use or disposal of sewage treatment plant sludge and sludge products in accordance with applicable State and federal regulations;
2. Any liquids, solids, or gases which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction to cause fire or explosion or be injurious in any other way to the operation of the sewer system, or wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Celsius (using test methods prescribed at 40 CFR 261.21), or discharges which cause the atmosphere in any portion of the sewer system to reach a concentration of 10% or more of the Lower Explosive Limit (LEL).
3. Any solid or viscous substances capable of obstructing wastewater which will or may cause obstruction to the flow of wastewater or other interference with the operation of the sewer system;
4. Any noxious, malodorous or toxic liquids gases, vapors or fumes, solids, or other substances which, either singly or by interaction with other wastes, may cause acute or chronic worker health and safety problems, a public nuisance, a hazard or interference with any part of the sewer system;
5. Any industrial wastewater containing a hazardous or toxic substance which, either singly or by interaction with other substances, injures or interferes with the sewer system or constitutes a hazard to humans or animals, or creates a hazard in, or adversely affects the receiving waters, or results in such substances being discharged in combined sewer overflows or sewage treatment plant effluent in any concentrations in excess of limitations imposed by any permit, law or regulation;
6. Any wastes, wastewaters or substances having a pH less than 5.0 or more than 11.5, or capable of causing damage or hazard to structures, equipment, processes or personnel of the sewer system, unless these limits are modified by permit.
7. Any liquid or vapor having a temperature higher than 65 degrees Celsius (149 degrees Fahrenheit) or containing heat in amounts which will inhibit biological activity, or result in interference at the treatment plant. In no case shall a discharge to the sewer system contain heat in such quantities that the temperature of the treatment plant influent exceeds 27 degrees Celsius (80 degrees Fahrenheit);
8. Any material trucked or hauled from a cesspool, holding or septic tank or any other nondomestic source, except such material received at designated locations under City contract or permit in accordance with any other applicable requirements of the City Code 17.34 or rules adopted hereunder;
9. Any substance which may solidify or become discernibly viscous at temperatures above 0 degrees Celsius or 32 degrees Fahrenheit;



**Schedule F**  
**GENERAL DISCHARGE PROHIBITIONS**

Expiration Date  
Permit Number:  
Page: F2

---

10. Any material that has not been properly comminuted to 0.65 centimeters (1/4 inch) or less in any dimension;
11. Any slugload, as defined in City Code 17.34 or rules adopted hereunder;
12. Any substances with excessive color, as determined by the Director of Environmental Services, which are not removed in the treatment process;
13. Any batch discharges without written permission from the Director of Environmental Services. Batch discharges shall comply with all other requirements of City Code 17.34 and rules adopted hereunder;
14. Any concentrations of inert suspended or settleable solids which may interfere with the operation of the sewer system;
15. Any concentrations of dissolved solids which may interfere with the operation of the sewer system;
16. Any radioactive material, except in compliance with a current permit issued by the Oregon State Health Division or other state or federal agency having jurisdiction;
17. Any substance which may cause sewer system effluent or treatment residues, sludges, or scums, to be unsuitable for reclamation and reuse or which interferes with the reclamation process. (In no case, shall a substance discharged to the sewer system cause the City to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under the Clean Water Act; any criteria, guidelines or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act (42 USC 6901), the Clean Air Act (42 USC 1857), the Toxic Substances Control Act (15 USC 2601), or any other federal or State statutes, regulations or standards applicable to the sludge management method being used, or any amendments thereto.)
18. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through.
19. Noncontact cooling water (except that noncontact cooling water may be discharged to the separate storm sewer system upon approval by the Director of Environmental Services);
20. Any substance that causes the City to violate the terms of its NPDES permit;



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## INDUSTRIAL USER INSPECTION FORM

INDUSTRY NAME: Koppers  
SITE ADDRESS: 7546 NW St Helens Rd Portland, OR \_\_\_\_\_

INSPECTION TYPE: ☐ Minor ☒ Major ☐ Pre-permitting ☐ Other: \_\_\_\_\_

### DESCRIBE THE PROCESS(ES)/OPERATION(S) INSPECTED:

Distribution of coal for pitch

PRETREATMENT SYSTEM:	CONDITION & OPERATION		COMMENTS
	good	needs improvement	
<input type="checkbox"/> Clarifier	<input type="checkbox"/>	<input type="checkbox"/>	<u>NA</u>
<input type="checkbox"/> Oil & Water Separator	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> pH adjustment	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	

### POINT(S) OF COMPLIANCE:

LOCATION/CODE	CONDITION & OPERATION		COMMENTS
	good	needs improvement	
1. _____	<input type="checkbox"/>	<input type="checkbox"/>	
2. _____	<input type="checkbox"/>	<input type="checkbox"/>	
3. _____	<input type="checkbox"/>	<input type="checkbox"/>	

RECORDS ☐ ASPP ☐ FACT SHEET ☐ TOMP  
REVIEW: ☐ CALIBRATION LOG ☐ PERMIT ☐ OTHER: \_\_\_\_\_

### SLUDGE DISPOSAL:

PROCESS	HAULER	DESTINATION
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____

### GENERAL INSPECTION NOTES:

Non discharger

### FOLLOW-UP ACTION(S):

	DUE DATE(S)
1. <u>none</u>	
2. _____	
3. _____	

INSPECTOR(S): [Signature] DATE: 1-24-03

INDUSTRY: [Signature] (print) DATE: \_\_\_\_\_  
A. C. Kamchen (signature) DATE: 1/24/03

cc: T. Self

REVIEWED BY:
Industrial Pretreatment Supervisor
CITY USE ONLY
Total Time: _____ hrs.
(include prep./follow-up/review)



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## *Industrial Source Control Division Statement of Non-Discharge*

Company Name: Koppers Industries, Inc.

Facility Address: 7540 NW St. Helen's Rd  
Portland, OR 97210

Telephone Number: 503-286-3681

I certify under penalty of law that for the year: 2002

☐ **NO CATEGORICAL PROCESS WASTEWATER was discharged to the City of Portland's sewerage system.**

☐ Yes ☐ No **Non-Categorical Process Wastewater was discharged to the City of Portland's sewerage system. (Please mark one).**

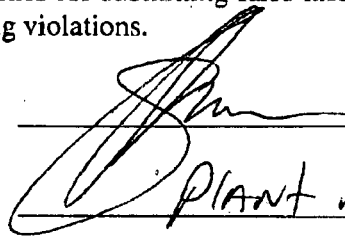
I have incorporated alternative methods of eliminating all wastewater generated from my categorical industrial processes in compliance with all applicable City, State and Federal laws and regulations.

I understand that by signing this statement I am certifying that, as of this date, **only domestic wastewater or non-categorical process wastewater** is discharged to the City's sewer system. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

  
PLANT MANAGER  
1/24/03



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

July 24, 2002

Amos S. Kameroner  
KOPPERS INDUSTRIES  
7540 NW St. Helens Rd.  
Portland OR 97210

Re: Metals Screening

The City of Portland, Bureau of Environmental Services is in the process of evaluating local limits to ensure adequate protection of the treatment works, collection system, water quality and biosolids quality. A local limit evaluation is required at least once during the five-year term of the City's NPDES permit.

Local limits address the specific needs and concerns of a sewage treatment system and its receiving waters. They are developed for pollutants that may cause interference, pass-through, biosolids contamination, and/or worker health and safety problems if discharged in excess of the receiving sewage treatment plant's capabilities and/or receiving water quality standards. Typically, local limits are developed to regulate the discharge from all industries discharging to the sewer and are usually imposed at the connection to the City sewer.

As a part of this year's local limit evaluation, the City plans to conduct a metals screening for all applicable industrial dischargers. The metals screening will involve the City collecting a wastewater sample upstream of the industry's treatment system while simultaneously collecting a sample at the point-of-compliance. The screening will assist the City in accurately assessing the potential pollutants from industrial discharges prior to treatment. In addition, the simultaneous sampling will aid in evaluating the treatment system removal efficiency.

*All wastewater samples collected upstream of the point-of-compliance are for evaluation purposes only and will not be associated with compliance or enforcement.*

The specific sample location will vary from industry to industry, so your Permit Manager will be contacting you to discuss the details of the raw wastewater screening at your site.

If you have any questions regarding the local limit evaluation please contact me at 503-823-7568.

Thank you, in advance, for your cooperation as we evaluate our local limits.

Sincerely,

Miguel A. Santana  
Environmental Services Supervisor

RECEIVED

JUL 26 2002

KOPPERS INDUS INC.  
PORTLAND OR

Koppers012626



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

8:30 AM

## INDUSTRIAL USER INSPECTION FORM

INDUSTRY NAME: Kopper's Industries, Inc  
SITE ADDRESS: 7540 N.W. St Helen's Rd Portland, OR 97210  
INSPECTION TYPE: ☒ Minor ☐ Major ☐ Pre-permitting ☐ Other: \_\_\_\_\_

DESCRIBE THE PROCESS(ES)/OPERATION(S) INSPECTED:

PRETREATMENT SYSTEM:      CONDITION & OPERATION      COMMENTS

	good	needs improvement	
<input checked="" type="checkbox"/> Clarifier	<input type="checkbox"/>	<input type="checkbox"/>	reg under NPDES
<input checked="" type="checkbox"/> Oil & Water Separator	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/> pH adjustment	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>	

POINT(S) OF COMPLIANCE:

LOCATION/CODE	CONDITION & OPERATION	COMMENTS
	good	needs improvement
1. <u>N/A</u>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>

RECORDS REVIEW: ☒ ASPP ☒ FACT SHEET ☒ TOMP  
☒ CALIBRATION LOG ☒ PERMIT ☐ OTHER: \_\_\_\_\_

SLUDGE DISPOSAL:

PROCESS	HAULER	DESTINATION
1. <u>NO changes from</u>		
2. <u>Haz / non haz</u>	<u>Safety-Clean / Clean Harbors</u>	
3.		

GENERAL INSPECTION NOTES:

Updating ASPP

FOLLOW UP ACTION(S):

	DUE DATE(S)
1. <u>Submit update ASPP</u>	<u>June 1st 2002</u>
2.	
3.	

INSPECTOR(S): Chris Collier

DATE: 3/21/02

INDUSTRY: Amor America (print)

DATE: \_\_\_\_\_

DATE: 3/21/02

Rodkwell 6418670 MCF

CC: TRaci Self, K-1800

REVIEWED BY:
Industrial Pretreatment Supervisor
CITY USE ONLY
Total Time: _____ hrs.
(include prep/follow-up/review)

**KOPPERS  
INDUSTRIES**

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd.  
Portland, Oregon 97210-3663  
Phone: (503) 286-3681  
Fax: (503) 285-2831  
Web Page: [www.koppers.com](http://www.koppers.com)

TO: T. Self, M. Colley

DATE: 2/16/01

FROM: Amos

TOTAL # OF PAGES: 3

The attached from yesterday's ANNUAL  
inspection from the City

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## *Industrial Source Control Division Statement of Non-Discharge*

Company Name: Koppers Industries, Inc.

Facility Address: 7540 NW St. Helen's Rd

Portland, OR 97210

Telephone Number: 503-286-3681

I certify under penalty of law that for the year: **2001**

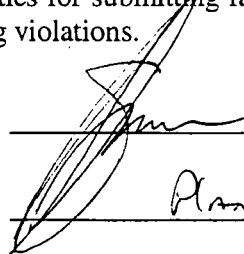
☐ **NO CATEGORICAL PROCESS WASTEWATER** was discharged to the City of Portland's sewerage system.

☐ Yes ☐ No **Non-Categorical Process Wastewater** was discharged to the City of Portland's sewerage system. (Please mark one).

I have incorporated alternative methods of eliminating all wastewater generated from my categorical industrial processes in compliance with all applicable City, State and Federal laws and regulations.

I understand that by signing this statement I am certifying that, as of this date, **only domestic wastewater or non-categorical process wastewater** is discharged to the City's sewer system. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official Signature:

  
A.S. Farmer  
Plant Manager

Title:

Date:

February 15, 2001



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## INDUSTRIAL USER INSPECTION FORM

INDUSTRY NAME: KOPPERS INDUSTRIES, INC.  
SITE ADDRESS: 7540 NW St. Helen's Rd Portland, OR 97210

INSPECTION TYPE: ☐ Minor ☒ Major ☐ Pre-permitting ☐ Other: \_\_\_\_\_

### DESCRIBE THE PROCESS(ES)/OPERATION(S) INSPECTED:

Steam Boiler, Tank Farm, Liquid pitch tank, Melting Tank,  
Hot Oil tanks, Loading Tank, SW Sump, SW storage tanks

PRETREATMENT SYSTEM:	CONDITION & OPERATION		COMMENTS
	good	needs improvement	
<input type="checkbox"/> Clarifier	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
<input type="checkbox"/> Oil & Water Separator	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> pH adjustment	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	

### POINT(S) OF COMPLIANCE:

LOCATION/CODE	CONDITION & OPERATION		COMMENTS
	good	needs improvement	
1. <u>N/A</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>NO DISCHARGE</u>
2. _____	<input type="checkbox"/>	<input type="checkbox"/>	
3. _____	<input type="checkbox"/>	<input type="checkbox"/>	

RECORDS REVIEW: ☒ ASPP ☐ CALIBRATION LOG ☒ FACT SHEET ☐ TOMP  
☐ PERMIT ☐ OTHER: \_\_\_\_\_

### SLUDGE DISPOSAL:

PROCESS	HAULER	DESTINATION
1. <u>Undistilled Quinlen</u>	<u>Safety Clean</u>	_____
2. _____	_____	_____
3. _____	_____	_____

### GENERAL INSPECTION NOTES:

- Signed NGR

### FOLLOW-UP ACTION(S):

	DUE DATE(S)
1. <u>NONE</u>	_____
2. _____	_____
3. _____	_____

INSPECTOR(S): DERIK VOWELS DATE: 2/15/01  
JOHN HOLTROP DATE: \_\_\_\_\_  
INDUSTRY: A. S. Kamekce (print)  
[Signature] (signature) DATE: 2/15/01

REVIEWED BY:
Industrial Pretreatment Supervisor
CITY USE ONLY
Total Time: _____ hrs. (include prep./follow-up/review)





# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

March 30, 2000

Amos Kamerer  
Koppers Industries  
7540 NW St. Helens Hwy.  
Portland, OR 97210

RE: Facility Inspection of March 8, 2000.

Dear Mr. Kamerer:

Thank you for your time and cooperation during the recent inspection of your facility. It was apparent from the inspection that Koppers is in compliance with the conditions of its NPDES permit. The City of Portland appreciates your efforts to minimize stormwater pollution.

As was mentioned during the inspection, it is recommended that improved spill containment measures be implemented at the lube and fuel storage area that would prevent any spilled materials from entering the nearby stormwater lift station.

If you have any questions regarding this letter you can call me at 823-7885.

Sincerely

John Holtrop  
Industrial Stormwater Section

CC: J. Dietz, K-1650

T. Self, K-1800

M. Cilley, Stickney

Mark, did you find any info  
on the containment pallets?

Amos 4/10/00

RECEIVED

APR 05 2000

KOPPERS INDS, INC.  
PORTLAND OR

**CITY OF PORTLAND - INDUSTRIAL SOURCE CONTROL DIVISION  
INDUSTRY FACT SHEET - INDUSTRIAL USER INFORMATION**

<b>Company Name :</b>	Kopper's Industries, Inc.		
<b>Nature of Business</b>	Blending and melting of coal tar pitch		
<b>Site Address:</b>	7540 NW St. Helen's Rd. Portland, OR 97210	<b>Mailing Address:</b>	7540 NW Saint Helens Road Portland, OR 97210
<b>Signatory Auth.:</b>	Amos Kamerer Plant Mgr.	<b>Alternate Contact:</b>	T.J. Turner General Foreman
<b>Telephone # :</b>	(503) 286 - 3681	<b>Telephone #:</b>	(503) 286-3681
<b>Facsimile # :</b>	(503) 285 - 2831	<b>Facsimile #:</b>	(503) 285-2831
<b>Permit # :</b>	#314 - 001	<b>SIC Code:</b>	2865
<b>Permit Manager:</b>	Colleen F.G. Harold	<b>Prev. Permit Mgr.:</b>	Stephen Rosenberger Christina Anderson
<b>Expiration Date :</b>	10/1/1999	<b>Last Permit Rev.:</b>	
<b>Water Account # :</b>	#4640172034 M 0178	<b>Water Usage (GPD):</b>	7,650 gpd
<b>Discharge (GPD):</b>	315 gpd	<b># of employees:</b>	11
<b>Hours of Prod.:</b>	24 hr. 4-5 days / week	<b># of Shifts:</b>	3 shifts
<b>Total Area :</b>	6.4 Acres	<b>Area to Storm</b>	5.8 Acres
<b>Storm. Permit #:</b>	# 47,430	<b>Permit Manager:</b>	John Holtrop
<b>Main Pump Station</b>			
<b>Other Environmental Permits:</b>	NPDES #101003 DEQ Air Permit		
<b>USEPA Category:</b>	US EPA Category - 414.7 (Organic Chemicals, plastics, and synthetic fibers.)		
<b>CoP Classification:</b>	P-4, Categorical IU Non-Discharger (300 Series Permit)		
<b>Point of Compliance:</b>	End-of-process		
<b>Emergency Contact</b>	Amos Kamerer	<b>After Hours phone (home)</b>	(503) 246-8045
<b>Safety</b>	T.J. Turner	<b>After Hours phone (home)</b>	(360) 896-5139
<b>Considerations:</b>	Metatarsal and steel Toed Boots, Hard Hats, Safety Glasses		



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## Industrial Source Control Division Statement of Non-Discharge

Company Name: KOPPERS INDUSTRIES INC.

Facility Address: 7540 NW. ST HELEN'S RD.  
PORTLAND, OR. 97210

Telephone Number: (503)

I certify under penalty of law that for the year: 2000

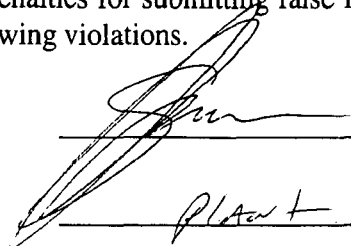
☒ **NO CATEGORICAL PROCESS WASTEWATER** was discharged to the City of Portland's sewerage system.

☐ Yes ☐ No **Non-Categorical Process Wastewater** was discharged to the City of Portland's sewerage system. (Please mark one).

I have incorporated alternative methods of eliminating all wastewater generated from my categorical industrial processes in compliance with all applicable City, State and Federal laws and regulations.

I understand that by signing this statement I am certifying that, as of this date, **only domestic wastewater or non-categorical process wastewater** is discharged to the City's sewer system. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official Signature:

  
A.S. Kamenar  
Plant Manager

Title:

Date:

3/8/00

**CITY OF PORTLAND - INDUSTRIAL SOURCE CONTROL DIVISION  
INDUSTRY FACT SHEET - INDUSTRIAL USER INFORMATION**

<b>Company Name :</b>	Kopper's Industries, Inc.		
<b>Nature of Business</b>	Blending and melting of Tar Pitch.		
<b>Site Address:</b>	7540 NW St. Helen's Rd. Portland, OR 97210	<b>Mailing Address:</b>	William E. Swearingen 436 Seventh Ave. Pittsburgh, PA 15219-1800
<b>Signatory Auth.:</b>	Amos Kamerer Plant Mgr.	<b>Alternate Contact:</b>	William E Swearingen
<b>Telephone # :</b>	(503) 286 - 3681	<b>Telephone #:</b>	(412) 227 - 2883
<b>Facsimile # :</b>	(503) 285 - 2831	<b>Facsimile #:</b>	(412) 227 - 2423
<b>Permit # :</b>	#314 - 001	<b>SIC Code:</b>	2865
<b>Permit Manager:</b>	Colleen F.G. Harold	<b>Prev. Permit Mgr.:</b>	Stephen Rosenberger Christina Anderson
<b>Expiration Date :</b>	10/1/1999	<b>Last Permit Rev.:</b>	
<b>Water Account # :</b>	#4640172034 M 0178	<b>Water Usage (GPD):</b>	7,650 gpd
<b>Discharge (GPD):</b>	315 gpd	<b># of employees:</b>	10
<b>Hours of Prod.:</b>	24 hr. 4-5 days / week	<b># of Shifts:</b>	3 shifts
<b>Total Area :</b>	6.4 Acres	<b>Area to Storm</b>	5.8 Acres
<b>Storm. Permit #:</b>	# 47,430	<b>Permit Manager:</b>	John Holtrop
<b>Main Pump Station</b>			
<b>Other Environmental Permits:</b>	NPDES #101003 DEQ Air Permit		
<b>USEPA Category:</b>	US EPA Category - 414.7 (Organic Chemicals, plastics, and synthetic fibers.)		
<b>CoP Classification:</b>	P-4, Categorical IU Non-Discharger (300 Series Permit)		
<b>Point of Compliance:</b>	End-of-process		
<b>Emergency Contact</b>	Amos Kamerer	<b>After Hours phone</b>	(503) 286 - 3681
<b>Safety Considerations:</b>	Steel Toed Boots, Hard Hat, Safety Glasses		

**Resources used to prepare the Fact Sheet. Check all that apply**

<b>Previous Permit</b>	✓	<b>Monitoring Data</b>	✓
<b>Permit Application</b>	✓	<b>MSDS Information</b>	✓
<b>Survey I</b>	✓	<b>Fire Marshall Report</b>	✓
<b>Survey II</b>		<b>Site History</b>	✓
<b>Site Inspection</b>	✓	<b>Corporate Report</b>	
<b>Compliance History</b>	✓	<b>Similar Operations</b>	✓

**1. BUSINESS DESCRIPTION:**

Kopper's and Pacific Northern Oil are tenants of NW Natural Gas. Kopper's was started in 1965 and NW Natural Gas has been on the site since 1912.

Kopper's Industries Inc. is a terminal facility for coal tar based products liquid pitch, creosote distillates and refined coal tars. They no longer handle pencil pitch, creosote or coal tar. Kopper's Industries, Inc. performs blending and melting of Coal products including Tar Pitch. They take in raw materials melt, blend and ship product. No water is used in their process and no wastewater is generated. They distribute 1,500 tons a week of product by rail and truck. The product is used in cosmetics and four aluminum smelters.

They have completed adding a new dock, pipeline and large storage tank for liquid pitch (1998-1999). The storage tank had to comply with UBC Earthquake Standards so the addition of a second tank is delayed due to monetary constraints. The line travels the footbridge at an 8-inch diameter and once it clears the bridge and a pump it expands to a 10-inch diameter. The product is unloaded at 400 F° through the transmission line, which has built in expansion, loops to accommodate the cooling and heating of the product (It expands as a liquid). Kopper's expects to be handling two million gallons (10,000 short tons) of liquid material by 2002. Currently, the new line is able to unload approximately 87 metric tons of pitch with-in 21.5 hours. Which is 405 metric tons per hour.

Kopper's Industries, Inc is a categorical IU, per 40 CFR 414.7(Organic chemicals, plastics, and synthetic fibers). Because they are non-discharging, they are given a 300 series permit.

**2. DESCRIPTION OF PROCESSES GENERATING WASTEWATER:**

**Stormwater:** They have an NPDES Permit for storm water runoff and boiler blown down discharge to the river. The tank farm consists of 3 tanks with hot oil, 2 with Pitch and 3 tanks for storm water collection. All storm water goes to the tank farm and through the oil water separator.

**2a POTENTIAL TO DISCHARGE (For Non-Dischargers)**

In the event of not being able to meet the NPDES Permit requirements they might be forced to release directly to the City of Portland's sanitary sewer. The product becomes a solid at ambient temperatures so, if a spill should occur it would propose no threat to the surroundings. If there should be a spill of the oil used in the product the area is bermed for 110 % of the holding tanks.

Domestic Sanitary Wastewater  
NPDES Permit. – Storm Water & Boiler Blow Down

**3. RAW WASTEWATER DESCRIPTION:**

\\ariel\GRP102\CUSTOMER\IU-K\KOPPERS\PERMIT\FORMS\99fetsht.doc

This facility does not produce process wastewater. Stormwater is discharged through a regulated outfall into the Willamette River in compliance with their NPDES permit. Only sanitary waste is discharged to the city sewer.

4. PRETREATMENT

No wastewater is produced in their process.  
They do have an Oil / H<sub>2</sub>O separator in their storm water discharge system.

5. PRETREATMENT SYSTEM DIAGRAM: None  
6. ANALYSIS OF DISCHARGE DATA : No Data Available

Pollutants of Concern # Violations/#Spl.		Company Data		Local Limit (Flow Weighted Average Adjusted 1992 Data)	Pollutant Level of Concern
		Avg. For Period 01/92-11/96	Maximum Value		
Arsenic	0/0				
Cadmium	0/0				
Chromium	0/0				
Copper	0/0				
Lead	0/0				
Molybdenum	0/0				
Nickel	0/0				
Selenium	0/0				
Silver	0/0				
Zinc	0/0				
Cyanide-T	0/0				
Oil/Grease (NP)	0/0				
pH	0/0				
TSS	0/0				

7. POLLUTANTS OF CONCERN:

Kopper's Industries Inc. is a terminal facility for coal tar based products handling liquid pitch and refined coal tars. Occasional spillage of materials from loading and unloading operations has

\\ariel\GRP102\CUSTOMER\IU-K\KOPPERS\PERMIT\FORMS\99fctsh.t.doc

warranted paving and berming to ensure adequate containment of materials. They are also on a clean sweep schedule 10 times a year. Most materials are cleaned up and recycled back into product those that aren't are hauled away by Chem-Waste out of Hillsboro. Most material is inert and can be land filled.

8. DISCUSSION OF PERMIT SPECIFIC LIMITS: None

9. APPLICABLE LIMITS: (mg/l) (indicated in bold)

Parameter	Required in Schedule B	Categorical Limit <i><b>Daily Max. Die Cast Aluminum</b></i> *	Local Limit	Permit Specific Limits	Categorical Limit <i><b>Daily Max. Die Cast Zinc</b></i> *
arsenic	0.2		0.3		
cadmium	0.7		0.7		
chromium	5.0		3.8		
copper	3.7	*	2.3		
lead	0.7		0.7		
mercury	0.010		0.014		
molybdenum	1.4				
nickel	2.8		3.0		
selenium	0.6				
silver	0.4		0.4		
zinc	<b>3.7</b>	*	4.0		
total phenols					
pH	5.0-11.5				
cyanide	1.2				
cyanide					
NP oil/grease	110				
TTO		*			
Sulfide (dissolved)	4.0				

***Bolded Values represent applicable limits that appear in Schedule A of the Permit. Pollutants that are bolded and underlined represent parameters that will be monitored by the Industrial User.***

10. ADDITIONAL MONITORED POLLUTANTS: None

11. SUMMARY OF COMPLIANCE HISTORY:

Good compliance history, no violations.

10. MONITORING AND REPORTING ANALYSIS: (Refer to Discharge Risk Analysis Score Table)

Parameter		Points
$Q_{flow}$	Domestic	0
$N_{pollutants}$	3	1

\\varie\GRP102\CUSTOMER\IU-K\KOPPERS\PERMIT\FORMS\99fctsh.doc



Parameter		Points
BOD <sub>average</sub>	N/A	0
TSS <sub>average</sub>	N/A	0
pH <sub>potential</sub>	None	0
C <sub>chemical Storage</sub>	High	3
P <sub>retreated pollutants</sub>		0
TOTAL:		4

#### Discussion -

Q - Domestic sewer flow 515 gpd to the City Sewer

N<sub>p</sub> -

BOD - None

TSS - None

pH - No pH problems at this time.

**Chemical Storage** - Pencil Pitch storage buildings, also keep three drums of diesel fuel and 2 to 3 drums of a citrus based (orange) cleaner.

P<sub>N</sub> -

DRA Determination Table

Discharge Point Range	City Samples per Year	Self Samples per Year	Inspections per Year	# of Inspectors
3 - 6	1	2	bi-annual	1
7 - 11	2	4	1	1
12 - 16	4	6	1	1
17 - 21	6	8	1	1
22 - 26	8	12	1 - 2	1 - 2
27 - 31	12	26	2	1 - 2
32 - 35	26	52	2 - 4	1 - 2

#### MINIMUM INDUSTRIAL USER COMPLIANCE MONITORING REQUIREMENTS

Analysis	Monitoring Frequency		
	City Monitoring	Self Monitoring	Inspection Frequency
Minimum Requirement P-1	Semi-Annual	Quarterly	Annual
Minimum Requirement P-2	Annual	Semi-annual	Bi-annual
DRA Results	1	2	Annual
Recommended	Semi-Annual	Semi-annual	Annually

\\ariel\GRP102\CUSTOMER\IU-K\KOPPERS\PERMIT\FORMS\99fctsh.t.doc

Note: If the recommendation is different than the DRA guidance, please explain.

13. PERIODIC SELF MONITORING FREQUENCY

SELF MONITORING FREQUENCY	
DRA:	0
Monthly:	0
Quarterly:	0
Semi-Annually:	Semi - Annual Non-Discharge Certification Report Submitted twice yearly.
Annually:	0
Special Reports:	None at this time.

14. SPECIAL CONDITIONS: None

15. MISCELLANEOUS INFORMATION:

16. ATTACHMENTS:

- A: PROCESS DIAGRAM:
- B: DIAGRAM OF DISCHARGE POINTS & POINT OF COMPLIANCE: N/A
- C: CLASSIFICATION FORM #5-2
- D: DISCHARGE LIMITS CALCULATIONS: N/A
- E: PRODUCTION DATA: N/A
- F: CMS FORM N/A non-discharger

**Log of Fact Sheet Changes**

Date	Changes
10 / 20 / 1998	Updating fact sheet for industries
6 / 23 / 99	Updated fact sheet from Inspection
10 / 3 / 1999	Permit Renewal
3/ 8 /2000	Updated fact sheet from inspection notes stormwater accompanied.

Prepared by: Colleen F.G. Harold

Date: 3 / 8 / 2000

TL Approval:

MAS

Date:

3/13/00

For New/Renewed Permits:

ISCD Approval:

Date:

Attachment C.  
**INDUSTRIAL USER CLASSIFICATION EVALUATION SHEET**  
*Applicable Classification is denoted by bold typeface.*

DESCRIPTION	CLASS
1. Categorical regulated IU with regulated process discharge	P-1
<b><u>2. Categorical regulated IU with zero discharge standard (NDCIU)</u></b> <b><u>No Potential Permit.</u></b>	<b><u>P-1</u></b>
3. Non-categorical IU with process discharge >25,000 gpd	P-1
4. Non-categorical IU with process discharge <25,000 gpd and is monitored for ESSC.	P-2
5. Non-categorical IU with process discharge >10,000 gpd but <25,000 gpd with a POC above PLOC in raw wastewater discharge	P-2
6. Non-categorical IU with a process waste discharge <10,000 gpd but with a raw wastewater Mass discharge of a POC >10,000 gpd LL <sub>eq</sub> mass equivalent	P-2
7. Non-categorical IU with a process discharge <10,000 gpd and a POC greater than a PLOC or requires an ADCM	NP-1
8. Non-categorical IU with process discharge <10,000 gpd with no Pouch's in wastewater or POC level is less than PLOC or does not need an ADCM	NP-2
9. Non-categorical IU with no process waste discharge but is a division D manufacturer and/or has potential for spills of hazardous substances, or is an NDCIU with no potential to discharge regulated process wastes	NP-3
10. Non-categorical IU with no process waste discharge, no manufacturing and no potential for spills of hazardous substances (office, shoe store, steel brokerage office)	NP-4

If, as a result of this review and Fact Sheet preparation, a permit is not issued, discuss reasons and forward to Permitting Section Supervisor.

**Date:** 3/8/00 3:59 PM  
**Sender:** Amos Kamerer  
**To:** Jim Dietz; Traci Self; Mark Cilley  
**Priority:** Normal  
**Subject:** Portland, Environmental services

---

Jim,

The annual inspection with the above was conducted today and it was very routine. These are POTW people and because we do not have any process water, we are not much of an issue for them. They will send a follow up report, later.

There was one suggestion that was made and it's not a requirement, and it was something that Mark had already mentioned, was to possibly adding containment around the drum storage area, do to it's proximity to one of our storm water collection sumps. As this area will be needed for the 2nd tank at some time in the future, Mark had already suggested that we look at using containment/shed units, to store our drums in. Mark will send me some info on these, so that I can check into them.

Amos  
that this area that we currently use for this purposes, will have to be moved when the 2nd tank is added

*(6) lccn 3:45 PM 2/4/00*

**Memo to file**

January 19, 2000

Ref: City of Portland, Bureau of Environmental Services  
Colleen Harold, Permit Manager

I called Colleen today to advise her that I was still working on the revised SPPC plan and would not be able to meet her requested date of January 21<sup>st</sup> for the revision. She extended this date to 2/15/00. OK to 3/1/00

Also, I had noticed that when I prepared the non-discharge report for the last half of 1999, that was due 1/15/00, I used the old form, thus, did she want me to redo this on the new form? She said no, that it would not be necessary.

I told her all about our first vessel discharge and invited her to stop by when ever she was in the area.

Amos

CC: T. Self, M. Cilley

*Mailed 2/25/99*



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

December 7, 1999

Koppers Industries, Inc.  
William E. Swearingen  
436 Seventh Ave  
Pittsburgh, PA 15219-1800

RE: Renewal of Industrial Wastewater Discharge Permit # 314.001

Dear Mr. Swearingen:

Thank you for returning your permit renewal material before the deadline date. I apologize for the delay on my part. Enclosed please find:

- Renewed: Industrial Wastewater Discharge Permit (#314.001)
- Industrial Source Control Division Statement of Non-Discharge, due January 21, 2000
- ASPP review, due January 21, 2000
- Current fact sheet for your review.

The enclosed permit has been modified, with minimum requirements, for those industries that have no potential to discharge to the City sewer system. The new permit will ease the cost of the new service fees to a flat rate of \$422.00 annually. This fee will be assessed at a rate of 1/3 of the actual amount with the full fees to be phased in by July 2001.

There is no longer a Non-Discharge Certification Report due semi-annually however, there will be an annual inspection performed and an annual Certification Report at that time. Also, I ask that you review and update, if necessary, your current Accidental Spill Prevention Plan. If after your review, you find that no revisions are needed, please send a letter indicating no revisions were needed by January 21, 2000.

If you have any questions or comments, please do not hesitate to contact me at (503) 823-5556.

Respectfully,

*Colleen F. G. Harold*

Colleen F.G. Harold, Permit Manager  
Industrial Source Control Division, Bureau of Environmental Services.

CC: T. SELF, K-1800  
M. CILLEY, Stickney

DEC 14 1999

Koppers012644



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

Expiration Date: 10/ 1/2004  
Permit Number: 314.001

## Categorical Industrial User Permit (No Potential to Discharge)

**Issued to:** Kopper's Industries, Inc.  
**Plant Type:** Blending and melting of creosote and tar pitch  
**Location:** 7540 NW St. Helen's Rd.  
Portland, OR 97210  
**SIC Code:** 2865  
**EPA Category:** 414.7 Organic Chemicals  
**Responsible Official:** Amos Kamerer  
**Phone Number:** (503) 286 - 3681  
**Expiration Date:** 10 / 1 /-2004

The permittee is authorized to discharge domestic wastewater and non-categorical regulated process wastewater to the City of Portland city sewer system in compliance with Chapter 17.34 of the City Code. **No industrial process wastewater associated with 40 CFR #414.7 Bulk Organic, Processing shall be discharged to the city sewer without prior written approval from the City.**

It is the permittee's duty to comply with all conditions of this permit. Any non-compliance of this permit constitutes a violation of Chapter 17.34 of Portland's City Code and, as such, subjects the permittee to enforcement actions.

**Effective Date:** This permit shall be effective on the date signed below, and shall supercede all previous permits. This permit shall remain in effect for five years or until notification of termination is received from the City, whichever comes first.

Industrial Source Control Manager:

*Debbie Baungettes*  
12-15-99

Effective Date:

Prepared By: *CASH*  
Checked By: *MAS*

DEC 14 1999

Koppers012645

**Schedule A  
Compliance Conditions**

**I. Administrative Requirements:**

- a. **Non-Transferability**  
This permit is not transferable. In case of a change of ownership, the permittee shall notify the City with the change, along with the name, address and phone/fax numbers of the new owners. The new owners shall contact the City and request an issuance of a new NDCIU permit.
- b. **Records Retention**  
All records of activities to comply with this permit shall be retained by the industry for a minimum of three years. This retention period shall be extended during the course of any unresolved litigation pertaining to the discharge of pollutants by the authorized discharger or whenever, it is requested by the City.
- c. **Accidental Spill Protection Plan (ASPP)**  
If chemicals are on site then they must be stored in a manner that will prevent the entry of these substances into the sanitary, combined, or storm sewer system or waters of the state. If chemicals are used or stored the industry must prepare and submit to the City, for approval, an ASPP within 90 days of the permit effective date. The plans shall include the following elements:
  - A description of the hazardous substances handled and their potential points of entry into the City sewer system or storm runoff.
  - A description of the measure to be taken to prevent entry at the described points and the measures to contain a spill if one occurs.
  - A description of employee training in the prevention and control of spills.
  - A posted notice informing employees that the discharge of industrial wastewater is prohibited and that notification must be made to the Bureau of Environmental Services (BES) at 503-823-7180 in the event of any spill, accidental or uncontrolled.
- d. **Right of entry**  
The industry shall, at all reasonable times, allow authorized City representatives to enter and have access to the permittee's premises for the purposes of inspecting and evaluating any certification records, or disposal methods associated with this permit.



**II. Reporting Requirements:**

- a. **Non-Discharge Certification**  
A Statement of Non-Discharge certificate must be signed annually by the responsible official or designated authority. This certificate must be submitted to the City no later than January 15 of the following year.
- b. **Changes in Wastewater Characteristics**  
The authorized permittee shall give notice to the Industrial Source Control Division, 90 days before any facility expansion, production increase, or process modifications resulting in a potential to discharge or resulting in a change in status of potential to discharge.
- c. **Accidental Spill or Discharge**  
The authorized permittee shall notify the City immediately, either in person or by telephone (503-823-7180), if any accidental spill or discharge to the sanitary sewer occurs. A formal written report, discussing circumstances and remedies, shall be submitted to the City within 5 days of the occurrence.
- d. **Hazardous Waste Notification**  
The industrial user shall notify the Industrial Source Control Division Section, the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste as set forth in 40 CFR Part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the industrial user discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the industrial user: an identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following 12 months.
- e. **Plant Closure**  
In the event the authorized permittee plans to cease operations at the present business location, and decide not to relocate within the City of Portland's jurisdiction, the authorized permittee shall inform this office, in writing, 60 days prior to plant closure.
- f. **The City may be notified at 503-823-5600 (telephone), 503-823-5559 (facsimile), or write to:**

Industrial Source Control Division  
Bureau of Environmental Services  
6543 N Burlington Avenue  
Portland, OR 97203

**CITY OF PORTLAND - INDUSTRIAL SOURCE CONTROL DIVISION  
INDUSTRY FACT SHEET - INDUSTRIAL USER INFORMATION**

<b>Company Name :</b>	Kopper's Industries, Inc.		
<b>Nature of Business</b>	Blending and melting of Creosote and tar Pitch.		
<b>Site Address:</b>	7540 NW St. Helen's Rd. Portland, OR 97210	<b>Mailing Address:</b>	William E. Swearingen 436 Seventh Ave. Pittsburgh, PA 15219-1800
<b>Signatory Auth.:</b>	Amos Kamerer Plant Mgr.	<b>Alternate Contact:</b>	William E Swearingen
<b>Telephone # :</b>	(503) 286 - 3681	<b>Telephone #:</b>	(412) 227 - 2883
<b>Facsimile # :</b>	(503) 285 - 2831	<b>Facsimile #:</b>	(412) 227 - 2423
<b>Permit # :</b>	#314 - 001	<b>SIC Code:</b>	2865
<b>Permit Manager:</b>	Colleen F.G. Harold	<b>Prev. Permit Mgr.:</b>	Stephen Rosenberger Christina Anderson
<b>Expiration Date :</b>	10/1/1999	<b>Last Permit Rev.:</b>	
<b>Water Account # :</b>	#4640172034 M 0178	<b>Water Usage (GPD):</b>	7,650 gpd
<b>Discharge (GPD):</b>	315 gpd	<b># of employees:</b>	10
<b>Hours of Prod.:</b>	24 hr. 4-5 days / week	<b># of Shifts:</b>	3 shifts
<b>Total Area :</b>	6.4 Acres	<b>Area to Storm</b>	5.8 Acres
<b>Storm. Permit #:</b>	# 47,430	<b>Permit Manager:</b>	John Holtrop
<b>Main Pump Station</b>			
<b>Other Environmental Permits:</b>	NPDES #101003 DEQ Air Permit		
<b>USEPA Category:</b>	US EPA Category - 414.7 (Organic Chemicals)		
<b>CoP Classification:</b>	P-4, Categorical IU Non-discharger ( 300 Series Permit)		
<b>Point of Compliance:</b>	End-of-process		
<b>Emergency Contact</b>	Amos Kamerer	<b>After Hours phone</b>	(503) 286 - 3681
<b>Safety Considerations:</b>	Steel Toed Boots, Hard Hat, Safety Glasses		

**Resources used to prepare the Fact Sheet. Check all that apply**

<b>Previous Permit</b>	✓	<b>Monitoring Data</b>	✓
<b>Permit Application</b>	✓	<b>MSDS Information</b>	✓
<b>Survey I</b>	✓	<b>Fire Marshall Report</b>	✓
<b>Survey II</b>		<b>Site History</b>	✓
<b>Site Inspection</b>	✓	<b>Corporate Report</b>	
<b>Compliance History</b>	✓	<b>Similar Operations</b>	✓

**1. BUSINESS DESCRIPTION:**

Kopper's Industries Inc. is a terminal facility for coal tar based products handling pencil pitch, liquid pitch, creosote, creosote distillates and refined coal tars. As of 1999 they no longer handle coal tar. Kopper's Industries, Inc. performs blending and melting of Coal products including Creosote and Tar Pitch. They take in raw materials, melt, blend, and ship out product. No water is used in their process and no wastewater is generated. They distribute 1,500 tons a week of product by rail and truck. The product is used in cosmetics and aluminum foundries.

They have an NPDES Permit for storm water runoff and boiler blown down discharge to the river. The tank farm consists of 3 tanks with hot oil, 2 with Pitch and 3 tanks for storm water collection. All storm water goes to the tank farm and through the oil water separator.

Kopper's and Pacific Northern Oil are tenants of NW Natural Gas. Kopper's was started in 1965 and NW Natural Gas has been on the site since 1912. They are presently adding a new dock and pipeline as well as, two large storage tanks for liquid pitch (1998-1999). The line travels the footbridge at an 8-inch diameter and once it clears the bridge and a pump it expands to a 10-inch diameter. The pipeline has built in expansion loops to accommodate the cooling and heating of the product (It expands as a liquid). Kopper's expects to be handling two million gallons (10,000 short tons) of liquid material by 2002.

Kopper's Industries, Inc is a categorical IU, per 40 CFR 414.7. Because they are non-discharging, they are given a 300 series permit.

**2. DESCRIPTION OF PROCESSES GENERATING WASTEWATER:**

**2a POTENTIAL TO DISCHARGE (For Non-Dischargers)**

In the event of not being able to meet the NPDES Permit requirements they might be forced to release directly to the City of Portland's sanitary sewer.

Domestic Sanitary Wastewater  
NPDES Permit. – Storm Water & Boiler Blow Down

**3. RAW WASTEWATER DESCRIPTION:**

This facility does not produce process wastewater. Stormwater is discharged through a regulated outfall into the Willamette River in compliance with their NPDES permit. Only sanitary waste is discharged to the city sewer.

**4. PRETREATMENT**

No wastewater is produced in their process.

\\ARIEL\GRP102\CUSTOMER\IU-K\KOPPERS\PERMIT\FORMS\99fctsht.doc

6. ANALYSIS OF DISCHARGE DATA : *No Data Available*

Pollutants of Concern # Violations/#Spl.		Company Data		
		Avg. For Period 01/92-11/96	Maximum Value	Local Limit (Flow Weighted Average Adjusted 1992 Data)
Arsenic	0/0			
Cadmium	0/0			
Chromium	0/0			
Copper	0/0			
Lead	0/0			
Molybdenum	0/0			
Nickel	0/0			
Selenium	0/0			
Silver	0/0			
Zinc	0/0			
Cyanide-T	0/0			
Oil/Grease (NP)	0/0			
pH	0/0			
TSS	0/0			

7. POLLUTANTS OF CONCERN:

Kopper's Industries Inc. is a terminal facility for coal tar based products handling pencil pitch, liquid pitch, creosote, creosote distillates and refined coal tars. Occasional spillage of materials from loading and unloading operations has warranted paving and berming to ensure adequate containment of materials. They are also on a clean sweep schedule 10 times a year. Most materials are cleaned up and recycled back into product those that aren't are hauled away by Chem-Waste out of Hillsboro. Most material is inert and can be land filled.

8. DISCUSSION OF PERMIT SPECIFIC LIMITS: *None*

9. APPLICABLE LIMITS: (mg/l) (indicated in bold)

Parameter	Required in Schedule B	Categorical Limit <b><i>Daily Max. Die Cast Aluminum</i></b> *	Local Limit	Permit Specific Limits	Categorical Limit <b><i>Daily Max. Die Cast Zinc</i></b> *
arsenic	0.2		0.3		
cadmium	0.7		0.7		
chromium	5.0		3.8		
copper	3.7		2.3		
lead	0.7		0.7		
mercury	0.010		0.014		
molybdenum	1.4				
nickel	2.8		3.0		
selenium	0.6				
silver	0.4		0.4		
zinc	<b>3.7</b>		4.0		
total phenols					
pH	5.0-11.5				
cyanide	1.2				
cyanide					
NP oil/grease	110				
TTO					
Sulfide (dissolved)	4.0				

***Bolded Values represent applicable limits that appear in Schedule A of the Permit. Pollutants that are bolded and underlined represent parameters that will be monitored by the Industrial User.***

10. ADDITIONAL MONITORED POLLUTANTS: None

11. SUMMARY OF COMPLIANCE HISTORY:

Good compliance history, no violations.

10. MONITORING AND REPORTING ANALYSIS: (Refer to Discharge Risk Analysis Score Table)

Parameter		Points
$Q_{flow}$	Domestic	0
$N_{pollutants}$	3	1
$BOD_{average}$	N/A	0
$TSS_{average}$	N/A	0
$pH_{potential}$	None	0
$C_{chemical}$ Storage	High	3

S:\CUSTOMER\IU-K\KOPPERS\PERMIT\FORMS\99fctsh.doc

Parameter	Points
P <sub>retreated pollutants</sub>	0
<b>TOTAL:</b>	<b>4</b>

#### Discussion -

**Q** - Domestic sewer flow 515 gpd to the City Sewer

**N<sub>p</sub>** -

**BOD** - None

**TSS** - None

**pH** - .No pH problems

**Chemical Storage** -Pencil Pitch storage buildings, also keep three drums of diesel fuel.

**P<sub>N</sub>** -

**DRA Determination Table**

Discharge Point Range	City Samples per Year	Self Samples per Year	Inspections per Year	# of Inspectors
3 - 6	1	2	bi-annual	1
7 - 11	2	4	1	1
12 - 16	4	6	1	1
17 - 21	6	8	1	1
22 - 26	8	12	1 - 2	1 - 2
27 - 31	12	26	2	1 - 2
32 - 35	26	52	2 - 4	1 - 2

#### MINIMUM INDUSTRIAL USER COMPLIANCE MONITORING REQUIREMENTS

Analysis	Monitoring Frequency		
	City Monitoring	Self Monitoring	Inspection Frequency
Minimum Requirement P-1	Semi-Annual	Quarterly	Annual
Minimum Requirement P-2	Annual	Semi-annual	Bi-annual
DRA Results	1	2	Annual
Recommended	Semi-Annual	Semi-annual	Annually

**Note: If the recommendation is different than the DRA guidance, please explain.**

\\ARIEL\GRP102\CUSTOMER\IU-K\KOPPERS\PERMIT\FORMS\99fetsht.doc

13. PERIODIC SELF MONITORING FREQUENCY

SELF MONITORING FREQUENCY	
DRA:	0
Monthly:	0
Quarterly:	0
Semi-Annually:	Semi - Annual Non-Discharge Certification Report Submitted twice yearly.
Annually:	0
Special Reports:	None at this time.

14. SPECIAL CONDITIONS: None

15. MISCELLANEOUS INFORMATION:

16. ATTACHMENTS:

A: PROCESS DIAGRAM:

B: DIAGRAM OF DISCHARGE POINTS & POINT OF COMPLIANCE: N/A

C: CLASSIFICATION FORM #5-2

D: DISCHARGE LIMITS CALCULATIONS: N/A

E: PRODUCTION DATA: N/A

F. CMS FORM N/A non discharger

**Log of Fact Sheet Changes**

Date	Changes
10/20/1998	Updating fact sheet for industries
6/23/99	Updated fact sheet from Inspection
10/3/1999	Permit Renewal

\\ARIEL\GRP102\CUSTOMER\IU-K\KOPPERS\PERMIT\FORMS\99fctsht.doc

Prepared by: Colleen F.G. Harold

Date: 10-4-1999

TL Approval: MAS

Date: 10/11/99

For New/Renewed Permits:

ISCD Approval: \_\_\_\_\_

Date: \_\_\_\_\_

Attachment C.  
**INDUSTRIAL USER CLASSIFICATION EVALUATION SHEET**  
*Applicable Classification is denoted by bold typeface.*

DESCRIPTION	CLASS
1. Categorical regulated IU with regulated process discharge	P-1
2. Non-categorical IU with process discharge >25,000 gpd	P-1
3. Non-categorical IU with process discharge <25,000 gpd and/or ESSC	P-2
4. Non-categorical IU with process discharge <25,000 gpd and is required to pretreat wastewater (excludes O/WS)	P-2
5. Non-categorical IU with process discharge <25,000 gpd with a POC above PLOC in discharge	P-2
6. Non-categorical IU with a process waste mass discharge of a POC $\geq$ 10,000 gpd $LL_{eq}$ mass discharge	P-2
7. Non-categorical IU with a process discharge <6,000 gpd and a POC greater than a PLOC or requires a O/WS or ASPP	NP-1
8. Non-categorical IU with process discharge <6,000 gpd with no POCs in wastewater or need for an ASPP or POC level is less than PLOC	NP-2
9. Non-categorical IU with no process waste discharge but is a division D manufacturer and/or has potential for spills of hazardous substances	NP-3
10. Non-categorical IU with no process waste discharge, no manufacturing and no potential for spills of hazardous substances (office, shoe store, steel brokerage office)	NP-4

If, as a result of this review and Fact Sheet preparation, a permit is not issued, discuss reasons and forward to Permitting Section Supervisor.



RECEIVED

DEC 20 1999

KOPPERS INDS, INC.  
PORTLAND OR

Koppers012655



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 414 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules.

Facility Name: Koppers Industries

Address: 7540 NW St Helens Rd.  
Portland, OR 97210

Reporting Period: From July 1, 1999 To December 31, 1999

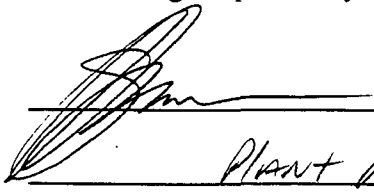
THIS REPORT DUE TO THE CITY BY: January 15, 2000

### CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATER HAVE OCCURRED

☒ Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:

 A. S. Kammerer

Title:

Plant Manager

Date:

1/13/99

cc: T. Self, KII

All self-monitoring reports (SMR) must include the following to be considered complete. For more detailed information regarding these items, please refer to the colored reference sheet. If you have any questions, please contact your permit manager for assistance.

Self Monitoring Report Check List:

- ☐ Chain of Custody form
- ☐ Analytical Results with Method Detection Limits (MDL)
- ☐ QA/QC Results, if applicable
- ☐ Signed Signatory Certification Statement (Printed on bottom of SMR)
- ☐ Completed Self Monitoring Report form

Whenever appropriate:

- ☐ Hand Composite Sample form
- ☐ Copies of pH charts showing the violation
- ☐ Calculations of monthly average
- ☐ Any other required reports

To assure prompt delivery, mail all monitoring results to:

Industrial Source Control Division  
Water Pollution Control Laboratory  
6543 N. Burlington Avenue  
Portland, OR 97203-5452

Attn: <Your permit manager's name here>



Koppers Industries, Inc.  
436 Seventh Avenue  
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001  
Fax: (412) 227-2423

September 13, 1999

City Of Portland  
Environmental Services  
Water Pollution Control Laboratory  
6543 N. Burlington Ave.  
Portland, Oregon 97203-5452

Colleen F. G. Harold, Permit Manager  
Industrial Source Control Division, Bureau of Environmental Services

**RECEIVED**

SEP 20 1999

KOPPERS INDS, INC.  
PORTLAND OR

RE: RENEWAL OF INDUSTRIAL WASTEWATER DISCHARGE PERMIT #314-001

Dear Colleen:

Enclosed please find a completed renewal application for Industrial wastewater permit #314-001. A \$50 renewal fee is also enclosed. Koppers Industries Inc. (KII) understands the current wastewater discharge permit will be extended until the permit is renewed.

If you have any questions please contact me at (412) 227 2883.

Sincerely,

Traci I. Self  
Environmental Manager

Enclosure (1)

cc: Amos Kameroner  
Mark Cilley



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## INDUSTRIAL WASTEWATER DISCHARGE PERMIT APPLICATION

The City of Portland (the City) is required by the federally mandated Pretreatment Program (40 CFR 403.8(f)(2)), to develop and implement procedures that:

- (1) Identify and locate all possible Industrial and Commercial Users which might be subject to the Publicly Owned Treatment Works (POTW) Pretreatment Program requirements.
- (2) Characterize the type and volume of pollutants contributed to the POTW by the Industrial and Commercial Users as identified under (1) above.

By completing the *Industrial Wastewater Discharge Permit Application*, you are helping the City complete its requirements.

---

### *Confidential Information*

As outlined in 40 CFR 403.14 (a)-(c) and ORS 192.430, any information submitted to the City under the Pretreatment Program requirements may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission in the manner prescribed on the application form or instructions, or, in the case of other submissions, by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, the City may make the information available to the public without further notice. If a claim is asserted, the information will be treated in accordance with the procedures in 40 CFR part 2 (Public Information) and ORS 192.440(2).

Information and data provided to the City under these requirements which is effluent data shall be available to the public without restriction.

All other information which is submitted to the State or POTW shall be available to the public at least to the extent provided by 40 CFR 2.302 and ORS 192.440(2).

---

If, at any time, there is insufficient space to complete an answer, continue your response on a separate piece of paper. Indicate the section and question number next to your response.

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION I: GENERAL FACILITY INFORMATION**

---

1. Enter the name of the company, *i.e.*, the name of the company legally responsible for this facility.
2. Enter the name of the facility, such as the name used on letterhead and/or correspondence or advertising.
3. Enter the street address where the facility is located.
4. Enter the *mailing* address of the facility, if different from the facility street address above.
5. Enter the name, title, telephone number, and fax number of the person who is most familiar with the facts reported on this form and who can be contacted by City staff. Generally, this person is the facility's maintenance supervisor or engineer.
6. Enter the approximate month and year that operations began, or are proposed to begin, otherwise use best estimate.

## INDUSTRIAL WASTEWATER DISCHARGE PERMIT APPLICATION

### SECTION I: GENERAL INFORMATION

**Confidential Information** - Indicate those sections of this application that you wish to remain confidential as well as your reasons for requiring confidentiality. Wastewater discharge characteristics can not be considered confidential.

1. Koppers Industries, Inc.  
(Company Name)

2. Portland Terminal  
(Facility Name)

3. 7540 NW Saint Helens Road  
(Facility Address, Street)

Portland OR 97210-3663  
(City) (State) (Zip Code)

4. same as facility  
(Mailing Address, Street/PO. Box)

(City) (State) (Zip Code)

5. Provide the name of the person to contact on information contained in this questionnaire:

Amos Kameron 503-286-3681  
(Name) (Phone)

Plant Manager 503-285-2831  
(Title) (Fax)

6. Initial startup date of operations at this facility: 1965

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION I: GENERAL FACILITY INFORMATION, Continued**

---

7. Enter the name, title, telephone number, and fax number of the person who is responsible for responding or organizing a response to emergencies at this facility, and who can be contacted by City staff. These emergencies may include spills and chemical releases, fires, floods, or earthquakes.
8. Check the appropriate box and make the necessary changes or corrections to the enclosed document, if needed.



## SECTION I: GENERAL FACILITY INFORMATION, Continued

---

7. Person to be contacted in case of an emergency at this facility:

<u>Amos Kamerer</u>	<u>503-286-3681</u>
Name	Phone
<u>Plant Manager</u>	<u>503-285-2831</u>
Title	Fax

8. Is all of the information previously submitted in your facility's *Environmental Survey Part II*, still current, up-to-date, and correct?

Yes ☒ No ☐

{A copy of your facility's Environmental Survey Part II is included for your reference.}

**If you checked No, make the needed changes to the enclosed Environmental Survey Part II, initial and date all changes and send in the corrected copy of the Survey with the completed Permit Application.**

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION II: FACILITY PROCESS FLOW INFORMATION**

---

1. Provide the daily average flows discharged in gallons per day (gpd) for the last 12 months. For estimating sanitary flow, use 25 gallons per employee per day. Be as specific as possible. If the exact amount of water is not known for each item, then estimate the amount as best as possible and note how the estimation was determined.
2. Check the appropriate box and provide the necessary information.

S

SEE ATTACHED

PROCESS FLOW INFORMATION1. For your facility  
manufacturingfor each of your processes or proposed processes (i.e.,  
that may generate process wastewater).Total Plant Flow in Gallons Per Day (gpd) discharged to the sanitary sewer collection system:Daily Average 275Daily Maximum 350Individual Process Flows in Gallons Per Day (gpd)

Process Description	Average Flow, gpd	Maximum Flow, gpd	Type of discharge
Sanitary	275	350	batch
Discharge to surface waters (NPDES):			
Boiler blowdown/storm water	21,302	52,580	batch

2. Is an inspection or sampling manhole structure available on-site? Yes [ ] No [X]

• If No, is one planned? Yes [ ] No [X]

• If Yes, provide location below and include as part of the process flow schematic (see also Attachment B).

• Location description: \_\_\_\_\_

---



---



---



---



---



---



---



---

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION II: FACILITY PROCESS FLOW INFORMATION, Continued**

---

3. Check the appropriate boxes and provide the required information.
4. Briefly describe any previous spills of raw materials, products, or process wastes that were or may have been discharged to the sewer collection system. Also list all corrective actions that were taken to clean-up the spills and procedures that were put in place to prevent a re-occurrence.

## SECTION II: FACILITY PROCESS FLOW INFORMATION, Continued

3. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment in use or included in future plans?

•	Current:	Flow Metering	Yes [ ]	No [X]	N/A [ ]
		Sampling Equipment	Yes [ ]	No [X]	N/A [ ]
•	Planned:	Flow Metering	Yes [ ]	No [X]	N/A [ ]
		Sampling Equipment	Yes [ ]	No [X]	N/A [ ]

If Yes, describe the equipment below and indicate the present or future location of this equipment on the process flow schematic in Attachment B:

---

---

---

---

---

4. Please describe below, or on a separate sheet of paper, any previous spills or slug discharges from the facility. Also list the clean-up actions taken as well as the remedial measures put in place to prevent a reoccurrence.

Occasional spillage of materials from loading/unloading operations. Paving  
paving and diking controls are adequate to contain materials. Most materials  
are cleaned up and recycled back to product. Any solid waste is disposed of  
in an appropriate manner.

---

---

---

---

---

**INTRODUCTION: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION III: FACILITY WASTEWATER INFORMATION**

---

This section, in two parts, details the collection of the necessary quantitative wastewater information required to establish applicable pretreatment limits and monitoring requirements for each industrial user. Contact the Industrial Source Control Division if there are any questions on what limits apply, what parameters to sample, sampling requirements, and from where to take the samples. Samples should be taken of the final effluent prior to discharge to the City's sewer collection system. If there is more than one discharge of process wastewater to the City's sewer lines, photocopy this page and supply the analytical results for all process wastewater discharges.

Existing Facility: (report results in concentrations (mg/L) or mass (lbs))

Each facility will sample, have analyzed, and report on all pollutants as specified by the City. If mass limits apply, the facility must report results on a mass basis (concentration x regulated process flow). Attach all calculations.

Samples collected must be representative and taken during peak production. Samples must be collected each day for three consecutive days, and analyzed separately.

New Facility: (report results in concentrations (mg/L) or mass (lbs))

This includes a new business moving into an existing facility or a new business proposing to construct a new building. A new facility should be in compliance with applicable pretreatment standards upon commencement of discharge and is required to sample and submit the final compliance report within 30 days of commencement of discharge. Because no discharge of process wastewater has occurred, provide your best estimate of the discharge. This estimate shall be confirmed through monitoring of the facility's effluent.

### SECTION III: FACILITY WASTEWATER INFORMATION

**TABLE 1 APPLICABLE LIMITS: <sup>1</sup>**

Parameter	Suggested Analysis Method 40 CFR 136	Local Limit	Sample Type, Grab or Composite	Required Sampling
<b>Metals</b>				
Arsenic	200.7	0.2 mg/L	Composite	
Cadmium	200.7	0.7 mg/L	Composite	
Chromium	200.7	5.0 mg/L	Composite	
Copper	200.7	3.7 mg/L	Composite	
Lead	200.7	0.7 mg/L	Composite	
Mercury	245.1	0.010 mg/L	Composite	
Molybdenum	200.7	1.4 mg/L	Composite	
Nickel	200.7	2.8 mg/L	Composite	
Selenium	200.7	0.6 mg/L	Composite	
Silver	200.7	0.4 mg/L	Composite	
Zinc	200.7	3.7 mg/L	Composite	
<b>Non-Metals</b>				
BOD <sub>5</sub>	405.1		Composite	
Closed Cup Flash Point	ASTM D-93-80	>140 °F	Grab	
Cyanide	335.2	1.2 mg/L	Grab	
Non-polar Fats, Oil, & Grease	1664	110. mg/L	Grab	
pH	150.1	5.0-11.5 S.U.	Grab	
Total Toxic Organics	624 & 625	2.13 mg/L		
Total Suspended Solids	160.2		Composite	
Sulfide	376.2	4 mg/L	Grab	
<b>Individual Organic Compounds</b>				
Pentachlorophenol	625	0.04 mg/L	Composite	
Chlorobenzene	624	0.2 mg/L	Grab	
Chloroform	624	0.2 mg/L	Grab	
Trichloroethylene	624	0.2 mg/L	Grab	
1,2 Dichloroethane	624	0.5 mg/L	Grab	
2,4-Dinitrotoluene	625	0.13 mg/L	Composite	
Nitrobenzene	625	2.0 mg/L	Composite	
Acrylonitrile	603	1.0 mg/L	Grab	
Chlordane	625	0.03 mg/L	Composite	

NO ADDITIONAL  
SAMPLING  
REQUIRED  
C/MH.

<sup>1</sup> This table lists the applicable Local Limits for all Permitted Industrial Users. Categorical Industrial Users may have additional limits that apply.

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION III: FACILITY WASTEWATER INFORMATION**

---

**PART A. NON-CATEGORICAL INDUSTRIAL FACILITIES**

1. Each Permitted Industrial User is required to perform self monitoring sampling and analyses to help document compliance with the pretreatment regulations. Provide the requested information even if all of the self monitoring analyses are performed by facility staff.
2. Provide the requested information. Most Commercial Laboratories participate in at least one performance evaluation or certification program to help insure and document that the data generated is valid and credible.
- 3.. After comparing the process wastewater data to the discharge limits that are listed in Table 1, check the appropriate box and complete as requested. Describe any additional O & M or installation of pretreatment equipment required to meet the listed discharge limits and attach a proposed compliance schedule. Specify the major events. After approval by the city, a Compliance Order will be put in place. Failure to comply with the approved schedule will subject the facility to enforcement actions.



SECTION III: FACILITY WASTEWATER INFORMATION

PART A. NON-CATEGORICAL I

1. Provide name and address of the commercial

PART A DOES NOT  
APPLY TO KOPPERS  
INSTEAD, FILL  
OUT PART B.

(Laboratory Name)

(Street Address)

(City)

(Phone)

(Fax)

2. List the Certification Program(s) in which the laboratory participates:

3. Compliance Certification: Compare the sample results against the listed Local Limits (Table 1).

- a.) Is the facility meeting applicable pretreatment standards on a consistent basis?

Yes [ ] No [ ] Don't Know [ ]

If Don't Know, then compliance must be evaluated after the baseline monitoring is completed.

If No, do you require:

- b.) Additional operation and maintenance (O&M) to achieve compliance? Yes [ ] No [ ]

- c.) New or additional pretreatment facilities to achieve compliance? Yes [ ] No [ ]

If additional O&M or new or additional pretreatment equipment will be required for the facility to meet pretreatment standards on a consistent basis, attach a description of what is required and a proposed schedule for completion of the work.

- d.) I have provided a compliance schedule. Yes [ ] No [ ]

Describe the compliance schedule of events on a separate sheet. Detail what the proposed work entails and the proposed due dates for each of the tasks involved. The proposed compliance schedule is subject to prior approval by the City.

INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION  
SECTION III: FACILITY WASTEWATER INFORMATION, Continued

---

PART B. CATEGORICAL INDUSTRIAL FACILITIES

1. List each regulated process, its production rate (i.e. 1,000 lbs. of product per day), the process wastewater flow rate in gpd, the applicable SIC code, and the pretreatment category. If the exact flow rate is not known for each process, then estimate the amount as best as possible and note how the estimation was determined.

**Baseline Monitoring Report:** As per 40 CFR 403.12, each Categorical Industrial User must submit a Baseline Monitoring Report (BMR). This report should identify the nature and concentrations of all regulated pollutants. In the case of new facilities this report must be submitted 90 days prior to the start of discharge. Estimates may be used but these estimates shall be confirmed through final compliance monitoring and reporting of the facility's effluent. If the effluent samples were taken at one combined point, indicate alongside the regulated process line what process flows are co-mingled at the sampling point. Contact the City's Industrial Source Control Division for guidance on where to take samples and how many samples to take.

2. Each Permitted Industrial User is required to perform self monitoring sampling and analyses to help document compliance with the pretreatment regulations. Provide the requested information even if all of the self monitoring analyses are performed by facility staff.
3. Provide the requested information. Most Commercial Laboratories participate in at least one performance evaluation or certification program to help insure and document that the data generated are valid and credible.

**SECTION III: FACILITY WASTEWATER INFORMATION, Continued**

**PART B. CATEGORICAL INDUSTRIAL FACILITIES**

1. Summarize each regulated process: (report concentrations in mg/L or mass in lbs.).

Regulated Process Description	Production Rate	Process Flow	SIC Code	Pretreatment Category
Blending	N/A	N/A	2865	414 subpart C
Melting	"	"	"	"

*Start  
Here*

Total plant flow: (In gallons per day, gpd) N/A

2. Provide name and address of the commercial testing lab(s) who is (are) performing analyses:

N/A

(Laboratory Name)

(Street Address)

(City)

(State)

(Zip Code)

(Phone)

(Fax)

3. List the Certification Program(s) in which the laboratory participates:

N/A

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION III: FACILITY WASTEWATER INFORMATION, Continued**

---

4. As discussed in question #1 of this subsection, a BMR includes sampling and analysis data of the facility's effluent. Daily maximum and average pollutant concentrations from each categorically regulated process must be reported. A report form is included as Attachment D. A minimum of four grab samples for pH, cyanide, phenols, oils & greases, sulfide, and volatile organics must be taken, if applicable to the facility's categorically regulated processes. For all other regulated pollutants, a 24 hour composite sample is required. All such samples must be representative of the facility's daily operations. After comparing the analysis data to the discharge limits listed in the appropriate subpart of 40 CFR and the Local Limits listed in Table 1, check the appropriate box and complete as requested. Describe any additional O & M or installation of pretreatment equipment required to meet the listed discharge limits and attach a proposed compliance schedule. Specify the major events, bench marks, needed to achieve compliance, as well as dates for completion of the events. After approval by the City, the compliance schedule will be in place. Failure to comply with the approved schedule will subject the facility to escalating enforcement actions.
  
5. Total Toxic Organics (TTOs): Facilities who use toxic organics, as listed by EPA in its published categorical pretreatment standards, are required to meet the TTO pretreatment standards. Each facility must initially sample for TTOs to determine compliance. After a facility is found to be in compliance with the TTO standard the Industrial User may adopt either a certification statement or a solvent management plan in lieu of having to periodically sample for toxic organics if these options are allowed under the facility's category. If you do not use toxic organics in your manufacturing process, you may not be required to sample for TTO. Contact the City's Industrial Source Control Division for guidance.

Check the appropriate boxes.

### SECTION III: FACILITY WASTEWATER INFORMATION, Continued

4. Compliance Certification: Compare the sample results against the listed Categorical Standards and those listed in the Local Limits (Table 1).

- a.) Is the facility meeting applicable pretreatment standards on a consistent basis?

Yes ☐ No ☐ Don't Know ☐ N/A-No process wastewater discharge.

If Don't Know, then compliance must be evaluated after the baseline monitoring is completed.

If No, do you require:

- b.) Additional operation and maintenance (O&M) to achieve compliance?

Yes ☐ No ☒

- c.) New or additional pretreatment facilities to achieve compliance?

Yes ☐ No ☒

If additional O&M or new or additional pretreatment will be required for the facility to meet pretreatment standards on a consistent basis, attach a description of what is required and a proposed schedule for completion of the work.

- d.) I have provided a compliance schedule.

Yes ☐ No ☒

Describe the compliance schedule of events on a separate sheet. Detail what the proposed work entails and the proposed due dates for each of the tasks involved. The proposed compliance schedule is subject to prior approval by the City.

5. Total Toxic Organics (TTOs): Facilities covered by a TTO pretreatment standard must initially sample for the listed TTOs to help determine compliance. Contact the City's Industrial Source Control Division for a listing of the TTOs applicable to your industrial category. See also the table in Attachment A.

- a.) We presently use or plan to use toxic organics listed in the categorical pretreatment standards.

Yes ☐ No ☒ If "Yes" then:

- b.) A solvent management plan has been developed and is attached.

Yes ☐ No ☒

If "No," attach a proposed schedule to develop and implement a Solvent Management Plan with due dates for each of the tasks involved. The proposed schedule is subject to prior approval by the City.

- c.) I have provided a proposed schedule to develop and implement a Solvent Management Plan.

Yes ☐ No ☒

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION IV: SIGNATURES & CERTIFICATIONS**

---

The Qualified Professional Certification pertains to the actual preparer of this form if different than the Responsible Corporate Official. Said person could be a consultant or professional engineer hired to gather and prepare the required information for this application.

This form shall be signed by a Responsible Corporate Official, as defined in 40 CFR 403.12(l). Said person may be either a general partner, a corporate officer, or by a duly authorized representative who has responsibility for the overall operation of the facility that discharges process wastewater to the City's sewer.

---

**Photocopy the completed survey form for your records and return the  
original survey to:**

Industrial Source Control Division  
City of Portland Environmental Services  
Water Pollution Control Laboratory  
6543 N. Burlington Avenue  
Portland, OR 97203-5452

---

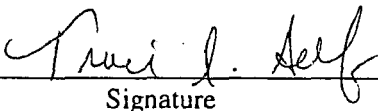
#### SECTION IV: SIGNATURES & CERTIFICATIONS

##### Qualified Professional Certification:

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Traci Self

Name (print)



Signature

Environmental Manager

Title

9/13/99

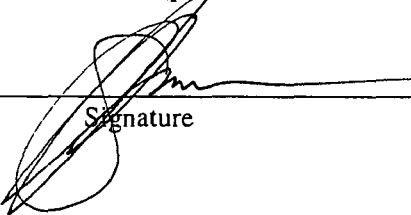
Date

##### Authorized Representative Statement: {40 CFR 403.6(a)(2)(ii)}

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief is true accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Amos Kamerer

Name (print)



Signature

Plant Manager

Title

9/10/99

Date

## ATTACHMENT A PRIORITY POLLUTANTS

### Priority Pollutant Information

- Indicate by placing an "X" in the appropriate space by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity, or generated as a byproduct.

No.	Pollutant of Concern	Known Absent	Suspected Absent	Suspected Present	Known Present	Annual Usage (lb./yr.)	Loss to Sewer (lb./yr.)
1.	ammonia						
2.	asbestos (fibrous)						
3.	cyanide (total)						
4.	antimony (total)						
5.	arsenic (total)						
6.	beryllium (total)						
7.	cadmium (total)						
8.	chromium (total)						
9.	copper (total)						
10.	lead (total)						
11.	mercury (total)						
12.	nickel (total)						
13.	selenium (total)						
14.	silver (total)						
15.	thallium (total)						
16.	zinc (total)						
17.	acenaphthene						
18.	acenaphthylene						
19.	acrolein						
20.	acrylonitrile						
21.	aldrin						
22.	anthracene						
23.	benzene						
24.	benzidine						
25.	benzo(a)anthracene						
26.	benzo(a)pyrene						
27.	benzo(b)fluoranthene						
28.	benzo(g,h,i)perylene						
29.	benzo(k)fluoranthene						
30.	a-BHC(alpha)						
31.	b-BHC(beta)						
32.	d-BHC(delta)						
33.	G-BHC*(gamma)						
34.	bis(2-chloroethyl)ether						
35.	bis(2-chloroethoxy)methane						
36.	bis(2-chloroisopropyl)ether						
37.	bis(chloromethyl)ether						



## ATTACHMENT B PROCESS FLOW DIAGRAM

For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from start to completed activity, showing all unit processes generating wastewater. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing this unit process in the building layout in schematic. Use the space below or additional sheets of 8x11 paper. An example is provided on the other side of this sheet. Using this example as a guide, diagram the flow of materials and water from the start of each process to the completed product or activity. Show all unit processes generating wastewater. Indicate the process flow rates in gallons per day (gpd) with numbered steps keyed to building locations.

### Instructions

### PROCESS FLOW DIAGRAM

A Separate drawing should be completed for each major business activity.

A line drawing (schematic flow diagram) of each major business activity is to be completed either in the space below or drawn on separate sheet of paper (all sheets should be letter size). Number each process that generates wastewater using the same numbering system as in the building layout or plant site plan shown in the building layout schematic. An example of drawing required is shown below in Figure 1.

To determine your average daily volume and maximum daily volume of wastewater flow, you may have to read water meters, sewer meters, or make estimates of volumes that are not directly measurable.

INFORMATION ON FILE  
CASH.

## ATTACHMENT C BUILDING LAYOUT

Draw the location of each building on the premises. Show location of all current or planned water meters, storm drains, numbered unit processes (from process schematic(s)), community sewers and each side sewer connected to the community sewers, automatic sampling equipment (current or planned), location of pretreatment processes, treated flows and untreated flows, name and location of pertinent streets. Use flow schematic to indicate process and process discharge in gpd. Number each side sewer and show possible sampling locations (sampling manhole).

An attached blueprint or drawing of the facilities showing the above items may be substituted for a drawing on this sheet. Use the example on the back side of this sheet as a guide.

INFORMATION ON FILE  
CASH.



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

March 10, 1999

MAR 15 1999

Koppers Industries, Inc.  
William E. Swearingen  
436 Seventh Ave.  
Pittsburgh, PA. 15219-1800

RE: Renewal of Industrial Wastewater Discharge Permit # 314.001

Dear Mr. Swearingen:

Your Industrial Wastewater Discharge Permit (#314-001) will expire on October 1, 1999. Due to the nature of Koppers Industries, Inc. operations, it is necessary that your facility submit an application for renewal of your discharge permit.

I have made some notes inside the permit application that I mailed to you. If there have been changes in the operations at Koppers Industries, Inc. please ensure they are detailed in the application. In addition, please pay special attention to any changes in chemicals used at your facility. Your completed application must be postmarked by October 1, 1999.

A \$50.00 renewal fee is required prior to permit renewal and should be sent with your application.

Your current wastewater discharge permit will be extended until the permit is renewed.

If you have any questions or comments, please do not hesitate to contact me at 823-5556.

Respectfully,

*Colleen F.G. Harold*

Colleen F.G. Harold, Permit Manager  
Industrial Source Control Division, Bureau of Environmental Services.

Koppers012681



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## INDUSTRIAL WASTEWATER DISCHARGE PERMIT APPLICATION

The City of Portland (the City) is required by the federally mandated Pretreatment Program (40 CFR 403.8(f)(2)), to develop and implement procedures that:

- (1) Identify and locate all possible Industrial and Commercial Users which might be subject to the Publicly Owned Treatment Works (POTW) Pretreatment Program requirements.
- (2) Characterize the type and volume of pollutants contributed to the POTW by the Industrial and Commercial Users as identified under (1) above.

By completing the *Industrial Wastewater Discharge Permit Application*, you are helping the City complete its requirements.

---

### *Confidential Information*

As outlined in 40 CFR 403.14 (a)-(c) and ORS 192.430, any information submitted to the City under the Pretreatment Program requirements may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission in the manner prescribed on the application form or instructions, or, in the case of other submissions, by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, the City may make the information available to the public without further notice. If a claim is asserted, the information will be treated in accordance with the procedures in 40 CFR part 2 (Public Information) and ORS 192.440(2).

Information and data provided to the City under these requirements which is effluent data shall be available to the public without restriction.

All other information which is submitted to the State or POTW shall be available to the public at least to the extent provided by 40 CFR 2.302 and ORS 192.440(2).

---

If, at any time, there is insufficient space to complete an answer, continue your response on a separate piece of paper. Indicate the section and question number next to your response.

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION I: GENERAL FACILITY INFORMATION**

---

1. Enter the name of the company, *i.e.*, the name of the company legally responsible for this facility.
2. Enter the name of the facility, such as the name used on letterhead and/or correspondence or advertising.
3. Enter the street address where the facility is located.
4. Enter the *mailing* address of the facility, if different from the facility street address above.
5. Enter the name, title, telephone number, and fax number of the person who is most familiar with the facts reported on this form and who can be contacted by City staff. Generally, this person is the facility's maintenance supervisor or engineer.
6. Enter the approximate month and year that operations began, or are proposed to begin, otherwise use best estimate.

**INDUSTRIAL WASTEWATER DISCHARGE  
PERMIT APPLICATION**

**SECTION I: GENERAL INFORMATION**

**Confidential Information** - Indicate those sections of this application that you wish to remain confidential as well as your reasons for requiring confidentiality. Wastewater discharge characteristics can not be considered confidential.

1. Koppers Industries, Inc.  
(Company Name)

2. Portland Terminal  
(Facility Name)

3. 7540 NW St. Helens Road  
(Facility Address, Street)

Portland  
(City)

OR  
(State)

97210-3663  
(Zip Code)

4. Same as Facility  
(Mailing Address, Street/PO. Box)

\_\_\_\_\_  
(City)

\_\_\_\_\_  
(State)

\_\_\_\_\_  
(Zip Code)

5. Provide the name of the person to contact on information contained in this questionnaire:

Amos Kamerer  
(Name)

503-286-3681  
(Phone)

Plant Manager  
(Title)

503-285-2831  
(Fax)

6. Initial startup date of operations at this facility: 1965

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION I: GENERAL FACILITY INFORMATION, Continued**

---

7. Enter the name, title, telephone number, and fax number of the person who is responsible for responding or organizing a response to emergencies at this facility, and who can be contacted by City staff. These emergencies may include spills and chemical releases, fires, floods, or earthquakes.
8. Check the appropriate box and make the necessary changes or corrections to the enclosed document, if needed.

**SECTION I: GENERAL FACILITY INFORMATION, Continued**

---

7. Person to be contacted in case of an emergency at this facility:

<u>Amos Kameron</u>	<u>503-286-3681</u>
Name	Phone
<u>Plant Manager</u>	<u>503-285-2831</u>
Title	Fax

8. Is all of the information previously submitted in your facility's *Environmental Survey Part II*, still current, up-to-date, and correct?

Yes ☒ No ☐

{ A copy of your facility's Environmental Survey Part II is included for your reference. }

**If you checked No, make the needed changes to the enclosed Environmental Survey Part II, initial and date all changes and send in the corrected copy of the Survey with the completed Permit Application.**



**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION II: FACILITY PROCESS FLOW INFORMATION**

---

1. Provide the daily average flows discharged in gallons per day (gpd) for the last 12 months. For estimating sanitary flow, use 25 gallons per employee per day. Be as specific as possible. If the exact amount of water is not known for each item, then estimate the amount as best as possible and note how the estimation was determined.
2. Check the appropriate box and provide the necessary information.

SEE ATTACHED

## CILITY PROCESS FLOW INFORMATION

1. 1

CLASH  
↓

owing flows for each of your processes or proposed processes (i.e.,  
ier processes that may generate process wastewater).

**Total Plant Flow** in Gallons Per Day (gpd) discharged to the sanitary sewer collection system:

Daily Average 275

Daily Maximum 350

**Individual Process Flows** in Gallons Per Day (gpd)

Process Description	Average Flow, gpd	Maximum Flow, gpd	Type of discharge
Sanitary	275	350	Batch
Discharge To Surface Waters (NPDES):			
Boiler Blowdown/Storm Water	21,302	52,580	Batch

2. Is an inspection or sampling manhole structure available on-site?

Yes ☒

No ☒ X

• If No, is one planned?

Yes ☐

No ☒ X

• If Yes, provide location below and include as part of the process flow schematic (see also Attachment B).

• Location description: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION II: FACILITY PROCESS FLOW INFORMATION, Continued**

---

3. Check the appropriate boxes and provide the required information.
4. Briefly describe any previous spills of raw materials, products, or process wastes that were or may have been discharged to the sewer collection system. Also list all corrective actions that were taken to clean-up the spills and procedures that were put in place to prevent a re-occurrence.

## SECTION II: FACILITY PROCESS FLOW INFORMATION, Continued

3. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment in use or included in future plans?

- |   |          |                    |         |        |         |
|---|----------|--------------------|---------|--------|---------|
| • | Current: | Flow Metering      | Yes [ ] | No [✓] | N/A [ ] |
|   |          | Sampling Equipment | Yes [ ] | No [✓] | N/A [ ] |
| • | Planned: | Flow Metering      | Yes [ ] | No [✓] | N/A [ ] |
|   |          | Sampling Equipment | Yes [ ] | No [✓] | N/A [ ] |

If Yes, describe the equipment below and indicate the present or future location of this equipment on the process flow schematic in Attachment B:

---

---

---

---

---

4. Please describe below, or on a separate sheet of paper, any previous spills or slug discharges from the facility. Also list the clean-up actions taken as well as the remedial measures put in place to prevent a reoccurrence.

*Occasional spillage of materials from loading/unloading operations. Paving and diking controls are adequate to contain materials. Most materials are cleaned up and recycled back to product. Any solid waste is disposed of in an appropriate manner.*

---

---

---

---

**INTRODUCTION: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION III: FACILITY WASTEWATER INFORMATION**

---

This section, in two parts, details the collection of the necessary quantitative wastewater information required to establish applicable pretreatment limits and monitoring requirements for each industrial user. Contact the Industrial Source Control Division if there are any questions on what limits apply, what parameters to sample, sampling requirements, and from where to take the samples. Samples should be taken of the final effluent prior to discharge to the City's sewer collection system. If there is more than one discharge of process wastewater to the City's sewer lines, photocopy this page and supply the analytical results for all process wastewater discharges.

Existing Facility: (report results in concentrations (mg/L) or mass (lbs))

Each facility will sample, have analyzed, and report on all pollutants as specified by the City. If mass limits apply, the facility must report results on a mass basis (concentration x regulated process flow). Attach all calculations.

Samples collected must be representative and taken during peak production. Samples must be collected each day for three consecutive days, and analyzed separately.

New Facility: (report results in concentrations (mg/L) or mass (lbs))

This includes a new business moving into an existing facility or a new business proposing to construct a new building. A new facility should be in compliance with applicable pretreatment standards upon commencement of discharge and is required to sample and submit the final compliance report within 30 days of commencement of discharge. Because no discharge of process wastewater has occurred, provide your best estimate of the discharge. This estimate shall be confirmed through monitoring of the facility's effluent.

### SECTION III: FACILITY WASTEWATER INFORMATION

**TABLE 1 APPLICABLE LIMITS: <sup>1</sup>**

Parameter	Suggested Analysis Method 40 CFR 136	Local Limit	Sample Type, Grab or Composite	Required Sampling
<b>Metals</b>				
Arsenic	200.7	0.2 mg/L	Composite	
Cadmium	200.7	0.7 mg/L	Composite	
Chromium	200.7	5.0 mg/L	Composite	
Copper	200.7	3.7 mg/L	Composite	
Lead	200.7	0.7 mg/L	Composite	
Mercury	245.1	0.010 mg/L	Composite	
Molybdenum	200.7	1.4 mg/L	Composite	
Nickel	200.7	2.8 mg/L	Composite	
Selenium	200.7	0.6 mg/L	Composite	
Silver	200.7	0.4 mg/L	Composite	
Zinc	200.7	3.7 mg/L	Composite	
<b>Non-Metals</b>				
BOD <sub>5</sub>	405.1		Composite	
Closed Cup Flash Point	ASTM D-93-80	>140 °F	Grab	
Cyanide	335.2	1.2 mg/L	Grab	
Non-polar Fats, Oil, & Grease	1664	110. mg/L	Grab	
pH	150.1	5.0-11.5 S.U.	Grab	
Total Toxic Organics	624 & 625	2.13 mg/L		
Total Suspended Solids	160.2		Composite	
Sulfide	376.2	4 mg/L	Grab	
<b>Individual Organic Compounds</b>				
Pentachlorophenol	625	0.04 mg/L	Composite	
Chlorobenzene	624	0.2 mg/L	Grab	
Chloroform	624	0.2 mg/L	Grab	
Trichloroethylene	624	0.2 mg/L	Grab	
1,2 Dichloroethane	624	0.5 mg/L	Grab	
2,4-Dinitrotoluene	625	0.13 mg/L	Composite	
Nitrobenzene	625	2.0 mg/L	Composite	
Acrylonitrile	603	1.0 mg/L	Grab	
Chlordane	625	0.03 mg/L	Composite	

NO ADDITIONAL  
SAMPLING  
REQUIRED  
C.F.R.

<sup>1</sup> This table lists the applicable Local Limits for all Permitted Industrial Users. Categorical Industrial Users may have additional limits that apply.

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION III: FACILITY WASTEWATER INFORMATION**

---

**PART A. NON-CATEGORICAL INDUSTRIAL FACILITIES**

1. Each Permitted Industrial User is required to perform self monitoring sampling and analyses to help document compliance with the pretreatment regulations. Provide the requested information even if all of the self monitoring analyses are performed by facility staff.
2. Provide the requested information. Most Commercial Laboratories participate in at least one performance evaluation or certification program to help insure and document that the data generated is valid and credible.
- 3.. After comparing the process wastewater data to the discharge limits that are listed in Table 1, check the appropriate box and complete as requested. Describe any additional O & M or installation of pretreatment equipment required to meet the listed discharge limits and attach a proposed compliance schedule. Specify the major events. After approval by the city, a Compliance Order will be put in place. Failure to comply with the approved schedule will subject the facility to enforcement actions.

### SECTION III: FACILITY WASTEWATER INFORMATION

#### PART A. NON-CATEGORICAL I.

1. Provide name and address of the commercial

PART A DOES NOT  
APPLY TO KOPPERS  
INSTEAD, FILL  
OUT PART B.

\_\_\_\_\_  
(Laboratory Name)

\_\_\_\_\_  
(Street Address)

\_\_\_\_\_  
(City)

\_\_\_\_\_  
(Phone)

\_\_\_\_\_  
(Fax)

2. List the Certification Program(s) in which the laboratory participates:

\_\_\_\_\_  
\_\_\_\_\_

3. Compliance Certification: Compare the sample results against the listed Local Limits (Table 1).

- a.) Is the facility meeting applicable pretreatment standards on a consistent basis?

Yes ☐ No ☐ Don't Know ☐

If Don't Know, then compliance must be evaluated after the baseline monitoring is completed.

If No, do you require:

- b.) Additional operation and maintenance (O&M) to achieve compliance? Yes ☐ No ☐

- c.) New or additional pretreatment facilities to achieve compliance? Yes ☐ No ☐

If additional O&M or new or additional pretreatment equipment will be required for the facility to meet pretreatment standards on a consistent basis, attach a description of what is required and a proposed schedule for completion of the work.

- d.) I have provided a compliance schedule. Yes ☐ No ☐

Describe the compliance schedule of events on a separate sheet. Detail what the proposed work entails and the proposed due dates for each of the tasks involved. The proposed compliance schedule is subject to prior approval by the City.



**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION III: FACILITY WASTEWATER INFORMATION, Continued**

---

**PART B. CATEGORICAL INDUSTRIAL FACILITIES**

1. List each regulated process, its production rate (i.e. 1,000 lbs. of product per day), the process wastewater flow rate in gpd, the applicable SIC code, and the pretreatment category. If the exact flow rate is not known for each process, then estimate the amount as best as possible and note how the estimation was determined.

**Baseline Monitoring Report:** As per 40 CFR 403.12, each Categorical Industrial User must submit a Baseline Monitoring Report (BMR). This report should identify the nature and concentrations of all regulated pollutants. In the case of new facilities this report must be submitted 90 days prior to the start of discharge. Estimates may be used but these estimates shall be confirmed through final compliance monitoring and reporting of the facility's effluent. If the effluent samples were taken at one combined point, indicate alongside the regulated process line what process flows are co-mingled at the sampling point. Contact the City's Industrial Source Control Division for guidance on where to take samples and how many samples to take.

2. Each Permitted Industrial User is required to perform self monitoring sampling and analyses to help document compliance with the pretreatment regulations. Provide the requested information even if all of the self monitoring analyses are performed by facility staff.
3. Provide the requested information. Most Commercial Laboratories participate in at least one performance evaluation or certification program to help insure and document that the data generated are valid and credible.

### SECTION III: FACILITY WASTEWATER INFORMATICS

#### PART B. CATEGORICAL INDUSTRIAL FACILITIES

1. Summarize each regulated process: (report concentrations in mg/L or mass i

*Start  
Here*

Regulated Process Description	Production Rate	Process Flow	SIC Code	
<del>Blending</del> Blending	NA	NA	2845	414 Subpart G
Melting	"	"		"

Total plant flow: (In gallons per day, gpd) NA

2. Provide name and address of the commercial testing lab(s) who is (are) performing analyses:

NA  
 (Laboratory Name)  
 \_\_\_\_\_  
 (Street Address)  
 \_\_\_\_\_  
 \_\_\_\_\_  
 (City) (State) (Zip Code)  
 \_\_\_\_\_  
 (Phone) (Fax)

3. List the Certification Program(s) in which the laboratory participates:

NA  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION III: FACILITY WASTEWATER INFORMATION, Continued**

---

4. As discussed in question #1 of this subsection, a BMR includes sampling and analysis data of the facility's effluent. Daily maximum and average pollutant concentrations from each categorically regulated process must be reported. A report form is included as Attachment D. A minimum of four grab samples for pH, cyanide, phenols, oils & greases, sulfide, and volatile organics must be taken, if applicable to the facility's categorically regulated processes. For all other regulated pollutants, a 24 hour composite sample is required. All such samples must be representative of the facility's daily operations. After comparing the analysis data to the discharge limits listed in the appropriate subpart of 40 CFR and the Local Limits listed in Table 1, check the appropriate box and complete as requested. Describe any additional O & M or installation of pretreatment equipment required to meet the listed discharge limits and attach a proposed compliance schedule. Specify the major events, bench marks, needed to achieve compliance, as well as dates for completion of the events. After approval by the City, the compliance schedule will be in place. Failure to comply with the approved schedule will subject the facility to escalating enforcement actions.
  
5. Total Toxic Organics (TTOs): Facilities who use toxic organics, as listed by EPA in its published categorical pretreatment standards, are required to meet the TTO pretreatment standards. Each facility must initially sample for TTOs to determine compliance. After a facility is found to be in compliance with the TTO standard the Industrial User may adopt either a certification statement or a solvent management plan in lieu of having to periodically sample for toxic organics if these options are allowed under the facility's category. If you do not use toxic organics in your manufacturing process, you may not be required to sample for TTO. Contact the City's Industrial Source Control Division for guidance.

Check the appropriate boxes.

### SECTION III: FACILITY WASTEWATER INFORMATION, Continued

4. Compliance Certification: Compare the sample results against the listed Categorical Standards and those listed in the Local Limits (Table 1).

- a.) Is the facility meeting applicable pretreatment standards on a consistent basis?

Yes ☒ No ☐ Don't Know ☐ *NA - No Process Wastewater Discharge*

If Don't Know, then compliance must be evaluated after the baseline monitoring is completed.

If No, do you require:

- b.) Additional operation and maintenance (O&M) to achieve compliance?

Yes ☐ No ☒

- c.) New or additional pretreatment facilities to achieve compliance?

Yes ☐ No ☒

If additional O&M or new or additional pretreatment will be required for the facility to meet pretreatment standards on a consistent basis, attach a description of what is required and a proposed schedule for completion of the work.

- d.) I have provided a compliance schedule.

Yes ☐ No ☒

Describe the compliance schedule of events on a separate sheet. Detail what the proposed work entails and the proposed due dates for each of the tasks involved. The proposed compliance schedule is subject to prior approval by the City.

5. Total Toxic Organics (TTOs): Facilities covered by a TTO pretreatment standard must initially sample for the listed TTOs to help determine compliance. Contact the City's Industrial Source Control Division for a listing of the TTOs applicable to your industrial category. See also the table in Attachment A.

- a.) We presently use or plan to use toxic organics listed in the categorical pretreatment standards.

Yes ☐ No ☒ If "Yes" then:

- b.) A solvent management plan has been developed and is attached.

Yes ☐ No ☒

If "No," attach a proposed schedule to develop and implement a Solvent Management Plan with due dates for each of the tasks involved. The proposed schedule is subject to prior approval by the City.

- c.) I have provided a proposed schedule to develop and implement a Solvent Management Plan.

Yes ☐ No ☒

**INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION**  
**SECTION IV: SIGNATURES & CERTIFICATIONS**

---

The Qualified Professional Certification pertains to the actual preparer of this form if different than the Responsible Corporate Official. Said person could be a consultant or professional engineer hired to gather and prepare the required information for this application.

This form shall be signed by a Responsible Corporate Official, as defined in 40 CFR 403.12(l). Said person may be either a general partner, a corporate officer, or by a duly authorized representative who has responsibility for the overall operation of the facility that discharges process wastewater to the City's sewer.

---

**Photocopy the completed survey form for your records and return the  
original survey to:**

Industrial Source Control Division  
City of Portland Environmental Services  
Water Pollution Control Laboratory  
6543 N. Burlington Avenue  
Portland, OR 97203-5452

---

#### SECTION IV: SIGNATURES & CERTIFICATIONS

##### Qualified Professional Certification:

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Traci Self

Name (print)

Environmental Manager

Title

Signature

Date

##### Authorized Representative Statement: {40 CFR 403.6(a)(2)(ii)}

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief is true accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Arvo Kananen

Name (print)

Plant Manager

Title

Signature

Date

## ATTACHMENT A PRIORITY POLLUTANTS

### Priority Pollutant Information

1. Indicate by placing an "X" in the appropriate space by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity, or generated as a byproduct.

No.	Pollutant of Concern	Known Absent	Suspected Absent	Suspected Present	Known Present	Annual Usage (lb./yr.)	Loss to Sewer (lb./yr.)
1.	ammonia						
2.	asbestos (fibrous)						
3.	cyanide (total)						
4.	antimony (total)						
5.	arsenic (total)						
6.	beryllium (total)						
7.	cadmium (total)						
8.	chromium (total)						
9.	copper (total)						
10.	lead (total)						
11.	mercury (total)						
12.	nickel (total)						
13.	selenium (total)						
14.	silver (total)						
15.	thallium (total)						
16.	zinc (total)						
17.	acenaphthene						
18.	acenaphthylene						
19.	acrolein						
20.	acrylonitrile						
21.	aldrin						
22.	anthracene						
23.	benzene						
24.	benzidine						
25.	benzo(a)anthracene						
26.	benzo(a)pyrene						
27.	benzo(b)fluoranthene						
28.	benzo(g,h,i)perylene						
29.	benzo(k)fluoranthene						
30.	a-BHC(alpha)						
31.	b-BHC(beta)						
32.	d-BHC(delta)						
33.	G-BHC*(gamma)						
34.	bis(2-chloroethyl)ether						
35.	bis(2-chloroethoxy)methane						
36.	bis(2-chloroisopropyl)ether						
37.	bis(chloromethyl)ether						

38.	bromodichloromethane						
39.	bis(2-ethylhexyl)phthalate						
40.	bromoform						
41.	bromomethane						
42.	4-bromophenyl phenylether						
43.	butylbenzyl phthalate						
44.	carbon tetrachloride						
45.	chlordan						
46.	4-chloro-3-ethylphenol						
47.	chlorobenzene						
48.	chloroethane						
49.	2-chloroethylvinyl ether						
50.	chloroform						
51.	chloromethane						
52.	2-chloronaphthalene						
53.	2-chlorophenol						
54.	4-chlorophenylphenyl ether						
55.	chrysene						
56.	4,4'-DDE						
57.	4,4'-DDD						
58.	4,4'-DDT						
59.	dibenzo(a,h)anthracene						
60.	dibromochloromethane						
61.	1,2-dichlorobenzene						
62.	1,3-dichlorobenzene						
63.	1,4-dichlorobenzene						
64.	3,3-dichlorobenzidine						
65.	dichlorodifluoromethane						
66.	1,1-dichloroethane						
67.	1,2-dichloroethane						
68.	1,1-dichloroethene						
69.	trans-1,2-dichloroethene						
70.	1,4-dichlorophenol						
71.	1,2-dichloropropane						
72.	(cis&trans)1,3-dichloropropene						
73.	dieldrin						
74.	diethyl phthalate						
75.	2,4-dimethylphenol						
76.	dimethyl phthalate						
77.	di-n-butyl phthalate						
78.	di-n-octyl phthalate						
79.	4,6-dinitro-2-methylphenol						
80.	1,4-dinitrophenol						
81.	1,4-dinitrotoluene						
82.	2,6-dinitrotoluene						
83.	1,2-diphenylhydrazine						
84.	endosulfan t						
85.	endosulfan tt						
86.	endosulfan sulfate						



87.	endrin						
88.	endrin aldehyde						
89.	ethylbenzene						
90.	fluoranthene						
91.	fluorene						
92.	heptachlor						
93.	heptachlor epoxide						
94.	hexachlorobenzene						
95.	hexachlorobutadiene						
96.	hexachlorocyclobutadiene						
97.	hexachloroethane						
98.	indeno (1,2,3-cd)pyrene						
99.	isophorone						
100.	methylene chloride						
101.	naphthalene						
102.	nitrobenzene						
103.	2-nitrophenol						
104.	4-nitrophenol						
105.	n-nitroso-dimethylamine						
106.	n-nitroso-dipropylamine						
107.	n-nitroso-diphenylamine						
108.	PCB-1016						
109.	PCB-1221						
110.	PCB-1232						
111.	PCB-1242						
112.	PCB-1248						
113.	PCB-1254						
114.	PCB-1260						
115.	pentachlorophenol						
116.	phenyl anthracene						
117.	phenol						
118.	pyrene						
119.	2,3,7,8-tetrachlorodibenzo-p-dioxin						
120.	1,1,2,2-tetrachloroethane						
121.	tetrachloroethene						
122.	toluene						
123.	toxaphene						
124.	1,2,4-trichlorobenzene						
125.	1,1,1-trichloroethane						
126.	1,1,2-trichloroethane						
127.	trichloroethene						
128.	trichlorofluoromethane						
129.	2,4,6-trichlorophenol						
130.	vinyl chloride						

## ATTACHMENT B PROCESS FLOW DIAGRAM

For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from start to completed activity, showing all unit processes generating wastewater. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing this unit process in the building layout in schematic. Use the space below or additional sheets of 8x11 paper. An example is provided on the other side of this sheet. Using this example as a guide, diagram the flow of materials and water from the start of each process to the completed product or activity. Show all unit processes generating wastewater. Indicate the process flow rates in gallons per day (gpd) with numbered steps keyed to building locations.

### Instructions

### PROCESS FLOW DIAGRAM

A Separate drawing should be completed for each major business activity.

A line drawing (schematic flow diagram) of each major business activity is to be completed either in the space below or drawn on separate sheet of paper (all sheets should be letter size). Number each process that generates wastewater using the same numbering system as in the building layout or plant site plan shown in the building layout schematic. An example of drawing required is shown below in Figure 1.

To determine your average daily volume and maximum daily volume of wastewater flow, you may have to read water meters, sewer meters, or make estimates of volumes that are not directly measurable.

INFORMATION ON FILE  
02/24

## ATTACHMENT C BUILDING LAYOUT

Draw the location of each building on the premises. Show location of all current or planned water meters, storm drains, numbered unit processes (from process schematic(s)), community sewers and each side sewer connected to the community sewers, automatic sampling equipment (current or planned), location of pretreatment processes, treated flows and untreated flows, name and location of pertinent streets. Use flow schematic to indicate process and process discharge in gpd. Number each side sewer and show possible sampling locations (sampling manhole).

An attached blueprint or drawing of the facilities showing the above items may be substituted for a drawing on this sheet. Use the example on the back side of this sheet as a guide.

INFORMATION ON FILE  
C/241.



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 414 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules.

Facility Name: Koppers Industries

Address: 7540 NW St Helens Rd.  
Portland, OR 97210

Reporting Period: From January 1, 1999 To June 30, 1999

THIS REPORT DUE TO THE CITY BY: July 15, 1999

### CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATER HAVE OCCURRED

- ☒ Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:

Title:

Date:

*[Signature]*  
A. S. Kamcar  
Plant Manager  
July 1, 1999

CC: T. Self, KII

All self-monitoring reports (SMR) must include the following to be considered complete. For more detailed information regarding these items, please refer to the colored reference sheet. If you have any questions, please contact your permit manager for assistance.

**Self Monitoring Report Check List:**

- ☐ Chain of Custody form
- ☐ Analytical Results with Method Detection Limits (MDL)
- ☐ QA/QC Results, if applicable
- ☐ Signed Signatory Certification Statement (Printed on bottom of SMR)
- ☐ Completed Self Monitoring Report form

**Whenever appropriate:**

- ☐ Hand Composite Sample form
- ☐ Copies of pH charts showing the violation
- ☐ Calculations of monthly average
- ☐ Any other required reports

**To assure prompt delivery, mail all monitoring results to:**

Industrial Source Control Division  
Water Pollution Control Laboratory  
6543 N. Burlington Avenue  
Portland, OR 97203-5452

Attn: <Your permit manager's name here>



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## INDUSTRIAL USER INSPECTION FORM

INDUSTRY NAME: KOPPERS INDUSTRIES, INC.  
SITE ADDRESS: 7540 NW ST. HELENS RD. Portland, OR 97210  
INSPECTION TYPE: ☐ Minor ☒ Major ☐ Pre-permitting ☐ Other: \_\_\_\_\_

### DESCRIBE THE PROCESS(ES)/OPERATION(S) INSPECTED:

DIESEL STORAGE, TANK FARM, NEW FOOT BRIDGE + TRANSMISSION LINE

### PRETREATMENT SYSTEM:

### CONDITION & OPERATION

### COMMENTS

- ☐ Clarifier N/A  
☒ Oil & Water Separator  
☐ pH adjustment N/A  
☐ Other N/A

good needs improvement

- ☐ ☐  
☐ ☐  
☐ ☐  
☐ ☐

### POINT(S) OF COMPLIANCE:

### LOCATION/CODE

### CONDITION & OPERATION

### COMMENTS

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

- good needs improvement  
☒ ☐  
☐ ☐  
☐ ☐

RECORDS ☐ ASPP ☐ FACT SHEET ☐ TOMP  
REVIEW: ☐ CALIBRATION LOG ☐ PERMIT ☐ OTHER: \_\_\_\_\_

### SLUDGE DISPOSAL:

### PROCESS

### HAULER

### DESTINATION

1. RAIL SMALL SPILLS CHEM WASTE HILLSBORO LANDFILLED  
2. \_\_\_\_\_  
3. \_\_\_\_\_

### GENERAL INSPECTION NOTES:

### FOLLOW-UP ACTION(S):

### DUE DATE(S)

1. PERMIT RENEWAL DUE OCTOBER  
2. \_\_\_\_\_  
3. \_\_\_\_\_

INSPECTOR(S): Colleen F. J. Harold DATE: 6/23/99

INDUSTRY: \_\_\_\_\_

(print)

(signature)

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

REVIEWED BY:

Industrial Pretreatment Supervisor

CITY USE ONLY

Total Time: \_\_\_\_\_ hrs.  
(include prep/follow-up/review)



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

July 29, 1999

Amos Kamerer  
Koppers Industries Inc.  
7540 NW St. Helens Rd.  
Portland, OR 97229

RE: Facility Inspection of June 23, 1999.

Dear Mr. Kamerer:

Thank you for your time and cooperation during the recent inspection of your facility. There were no issues requiring attention noted during the inspection and Koppers appears to be doing a good job of complying with the conditions of its NPDES permit. The City of Portland appreciates your efforts.

Sincerely

John Holtrop  
Industrial Stormwater Section

cc: J. Dietz  
T. Self

**RECEIVED**

AUG - 3 1999

**KOPPERS INDS, INC.  
PORTLAND OR**

Koppers012709



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## INDUSTRIAL USER INSPECTION FORM

INDUSTRY NAME: Koppers Industries  
SITE ADDRESS: 7540 NW Se Helens Rd. Portland, OR \_\_\_\_\_

INSPECTION TYPE: ☐ Minor ☒ Major ☐ Pre-permitting ☐ Other: \_\_\_\_\_

DESCRIBE THE PROCESS(ES)/OPERATION(S) INSPECTED:

PRETREATMENT SYSTEM:	CONDITION & OPERATION		COMMENTS
	good	needs improvement	
<input type="checkbox"/> Clarifier	<input type="checkbox"/>	<input type="checkbox"/>	No Discharge of Process Water -
<input type="checkbox"/> Oil & Water Separator	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> pH adjustment	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Other	<input type="checkbox"/>	<input type="checkbox"/>	

POINT(S) OF COMPLIANCE:

LOCATION/CODE	CONDITION & OPERATION		COMMENTS
	good	needs improvement	
1.	<input type="checkbox"/>	<input type="checkbox"/>	N/A - No Discharge of process waste water
2.	<input type="checkbox"/>	<input type="checkbox"/>	
3.	<input type="checkbox"/>	<input type="checkbox"/>	

RECORDS ☐ ASPP ☒ FACT SHEET ☐ TOMP  
REVIEW: ☐ CALIBRATION LOG ☒ PERMIT ☐ OTHER: \_\_\_\_\_

SLUDGE DISPOSAL:

PROCESS	HAULER	DESTINATION
1. <u>Slud/Pitch Dust</u>	<u>SANI fill</u>	<u>Helena</u>
2. _____	_____	_____
3. _____	_____	_____

GENERAL INSPECTION NOTES:

Koppers will be receiving Pencil Piter Longview - F4 will not handle any longer - Proposing to handle / process melted product -> look for dust + material handling  
- Koppers will stop handling creosote + refined tars off PDX facility

FOLLOW-UP ACTION(S):	DUE DATE(S)
1. <u>N/A No follow-up actions</u>	_____
2. _____	_____
3. _____	_____

INSPECTOR(S): Stefie Rosenberg DATE: 5-21-98  
INDUSTRY: A.S. KAMERER (print) DATE: \_\_\_\_\_  
(signature) DATE: 5/21/98

REVIEWED BY:
Industrial Pretreatment Supervisor
CITY USE ONLY
Total Time: _____ hrs.
(include prep./follow-up/review)

CC: Traci Self

Koppers012710





# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

July 6, 1998

Amos Kamerer  
Koppers Industries  
7540 NW St. Helens Hwy.  
Portland, OR 97210

RE: Facility Inspection of June 23, 1998.

Dear Mr. Kamerer:

Thank you for your time and cooperation during the recent inspection of your facility. Koppers appears to be doing a good job of managing potential pollutants on site and preventing their discharge to the storm sewer. The City appreciates your efforts to minimize stormwater pollution. If you have any questions you can call me at 823-7885.

Sincerely

John Holtrop  
Industrial Stormwater Section

*cc: T. Self, F-1800*

**RECEIVED**

JUL 07 1998

KOPPERS INDS., INC.  
PORTLAND, OR

Koppers012711



Buildings • Planning • Transportation

# Charlie Hales

Commissioner, City of Portland

Phone: 503/823-4682

FAX: 503/823-4040

e-mail: [chales@ci.portland.or.us](mailto:chales@ci.portland.or.us)

Web site: <http://www.ci.portland.or.us/hales>

May 19, 1999

Amos Kamerer  
Koppers Industries  
7540 NW St. Helens Road  
Portland, OR 97210

Dear Amos:

I am writing to you because you and 180 other Portland businesses hold Industrial Waste permits. As you may know, the city's Bureau of Environmental Services is proposing changes to the fees charged for these permits as part of the regular adjustments to BES fees and rates. City Council will take action on the proposal this week, and I want to share my position with you.

I was very impressed with the testimony I heard last week at the first Council hearing on this issue. Permit holders made some valid arguments about the impacts this proposal would have on their businesses. I share your concerns about the true costs of administering this regulation. We must be sure that the fees charged reflect the actual cost of inspections program, and that they are done as efficiently and cost-effectively as possible. Because of this, I support Commissioner Saltzman's amendment to the proposal, which directs BES to develop a system that will track and review actual costs. We need this assurance in order to support the program and the fees charged before we commit to further fee increases.

I am not convinced that it is reasonable or fair to expect to achieve full "cost recovery" from the affected businesses immediately. Phasing in these fees over a period of time makes sense, and gives businesses an opportunity to work with the bureau to identify ways to reduce program costs. I support a partial cost recovery rate for the first year, but I will not support raising this rate next year without the support of the Public Utility Review Board and without some analysis about the cost recovery level that is appropriate for the program, the agency, and the industries affected.

Finally, I am concerned that the City's overall economic development goals may conflict with our fee policies. We want to continue to create incentives for the business community to remain in the City of Portland. Our Target Industries strategy specifies the

industries that we count on to maintain our employment base, with a particular emphasis on food processing metals. These same industries may be adversely affected by the proposed fees, and we need to balance these interests.

I am very appreciative of the work done by the Portland Wastewater Treatment Association on this issue. With your advice and involvement, I hope we can craft an industrial permit program which is fair, but which does not make Portland inhospitable to business. Thank you for providing the City Council with a strong argument for caution in this matter.

Sincerely,

A handwritten signature in cursive script, appearing to read "Charlie".

Charlie Hales

RECEIVED

MAY 21 1999

KOPPERS INDS, INC.  
PORTLAND OR



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

April 15, 1999

Amos S. Kameroner  
Plant Manager  
Koppers Industries  
7540 NW St. Helens Rd.  
Portland, OR 97210

Dear Amos S. Kameroner:

As you are probably aware, City Council has directed the Bureau of Environmental Services to examine methods to charge customers who receive specific services or generate specific costs, for the service received or expense incurred. Permitted industrial customers are among those to whom this direction applies. In response to the Council directive, the Bureau has developed two methods of charging for the costs of administering the pretreatment program regulatory oversight. One method, developed by the City and provided to you last November 1998, uses a risk/effort-based approach to establish fees. The second method, developed by an outside independent consultant, is an activity-based system which uses an average cost approach for various activities associated with regulatory requirements.

Any fee system that is adopted will be cost neutral to commercial customers in the aggregate. The pretreatment program costs are currently covered through commercial flow charges. These pretreatment program costs will be eliminated from commercial flow charges as the fees are implemented.

City Council will be considering a proposal to begin this cost of service fee system in January 2000, at the May 12, 1999 meeting. We expect that the fee will be implemented on a phased basis as follows: 1/3 of the fee will be charged from January 2000 through June 2000, 2/3 from July 2000 through June 2001, and the full fee charged for the July 2001 through June 2002 fiscal year. We would like that proposal to be the one you feel is best from an industrial user perspective. Therefore we would like your comments and preference relative to these two systems in order to make a selection between the two.

Attached are sheets showing the individual annual charge, which would relate to each company or permit held by a company, under both of these proposals. As you look at the attachments, the one entitled "Examples of Industrial Waste Pretreatment Program Fees" has six columns which, relate to the activity-based system (the first six from the left). The last column entitled "Tiered Point System Charge" provides charges for the risk/effort system.

The attachment entitled "Permit Ranking Criteria" delineates the rating criteria associated with a particular activity or potential risk at any permitted facility. Factors used in the rating process include wastewater discharge flow, industrial user classification, permit status (new or renewed), regulatory history, monitoring frequency, inspection requirements, and other technical information. Based on the rating, an industrial user is placed into one of five tiers, which are as follows: >125, 75-124, 50-74, 25-49 and 1-24. You will notice that groups of industries have the same fee because of this tier arrangement.

Koppers012715

PERMIT RANKING CRITERIA		Total Points =		0
Factor	Wastewater Discharge Flow	Points	0 or 1 *	# POC **
4	> 250,000	32	0	0
	100,000 to 250,000	16	0	0
	50,000 to 100,000	8	0	0
	25,000 to 50,000	4	0	0
	10,000 to 25,000	2	0	0
	5,000 to 10,000	1	0	0
	< 5,000	0	0	0
				Subtotal
				0
	IU Classification			
3	Discharging CIU, calculated limits	8	0	0
	Discharging non-CIU, calculated limits	8	0	0
	Discharging CIU, pretreat >= 5 pol.	6	0	0
	Discharging CIU, pretreat < 5 pol.	5	0	0
	Non-CIU, pretreat > 5 pol.	4	0	0
	Non-CIU, pretreat 3 to 5 pol.	3	0	0
	Non-CIU, pretreat < 3 pol.	2	0	0
	Non-discharging CIU	1	0	0
				Subtotal
				0
	Permit Status			
2	New (first 12 months)	9	0	0
	Renewal	3	0	0
				Subtotal
				0
	Self-monitoring Frequency			
5	Monthly	4	0	0
	Bi-monthly	3	0	0
	Quarterly	2	0	0
	Semi-annually	1	0	0
				Subtotal
				0
	City monitoring Frequency			
3	Monthly	4	0	0
	Bi-monthly	3	0	0
	Quarterly	2	0	0
	Semi-annually	1	0	0
				Subtotal
				0
	Regulatory History			
5	>5 violations, any type, previous year	6	0	0
	Limits violations, previous year	5	0	0
	Reporting violations, previous year	3	0	0
	Violations 2 -3 years ago, any type or number	1	0	0
	No violations for previous 3 years	0	0	0
				Subtotal
				0

PERMIT RANKING CRITERIA (continued)				
<b>Bulk Liquid Chemical Storage</b>				
2	Single container > 100,000 gal	5	0	0
	Single container 50,000 to 100,000 gal	4	0	0
	Single container 5,000 to 50,000 gal	3	0	0
	Single container 500 to 5,000 gal	2	0	0
	Single container 55 to 500 gal	1	0	0
	No storage	0	0	0
			Subtotal	0
<b>Container Storage (55 gal drum or smaller)</b>				
1	> 50 drums	4	0	0
	21 to 50 drums	3	0	0
	5 to 20 drums	2	0	0
	<= 4 drums	1	0	0
	No storage	0	0	0
			Subtotal	0
<b>Bulk Mobile Solids Storage</b>				
1	> 10 cubic yards	2	0	0
	< 10 cubic yards	1	0	0
	No storage	0	0	0
			Subtotal	0
<b>Other Regulatory Permits</b>				
1	Industrial stormwater	4	0	0
	Hazardous waste	4	0	0
	NPDES	2	0	0
	Air permit	2	0	0
	No additional permits	0	0	0
			Subtotal	0
<b>Inspections</b>				
3	Smply insp - batch disch - night smply	8	0	0
	2 inspections	4	0	0
	1 inspection	2	0	0
			Subtotal	0
<b>Other Permitting Issues</b>				
1	SNC	5	0	0
	ESSC	5	0	0
	Special sampling events or conditions	5	0	0
			Subtotal	0
NOTE: Enter data in shaded areas only.				
* 0 or 1 = enter '1' to select option, '0' to deselect				
* # POC = enter number of points of compliance				

Company Name	Annual Permit Fee	Inspection Fees	Report Fees	Sampling Charge	Expected Analysis Charge	Fee System Total	Tiered Point System Charge
ALPENROSE DAIRY	\$ 2,044	\$ 814	\$ 941	\$ 146	\$ 33	\$ 3,978	\$ 3,228
AMERICAN INDUSTRIAL	\$ 2,044	\$ 814	\$ 538	\$ 594	\$ 440	\$ 4,429	\$ 4,581
AMERICAN LINEN	\$ 2,044	\$ 814	\$ 538	\$ 594	\$ 426	\$ 4,415	\$ 4,581
ANODIZING INC (21ST)	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,903	\$ 5,613	\$ 9,001
ANODIZING INC (6TH)	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 186	\$ 3,896	\$ 4,581
ANODIZING INC (Rvr)	\$ 2,044	\$ 814	\$ 269	\$ 448	\$ 1,903	\$ 5,478	\$ 1,975
ANODIZING INC (Sky)	\$ 2,044	\$ 814	\$ 269	\$ 448	\$ 190	\$ 3,765	\$ 3,228
ANTIQUE ARTS METAL CRAFTS	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,107	\$ 4,816	\$ 3,228
ARAMARK UNIFORM SERVICES INC	\$ 2,044	\$ 814	\$ 941	\$ 448	\$ 2,082	\$ 6,329	\$ 4,581
BLACKLINE INC.	\$ 2,044	\$ 814	\$ 1,209	\$ 1,053	\$ 2,125	\$ 7,246	\$ 4,581
BLISS REPAIR SHOP	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,121	\$ 4,831	\$ 3,228
BLITZ WEINHARD CO	\$ 2,044	\$ 814	\$ 1,613	\$ 874	\$ 200	\$ 5,544	\$ 9,001
BRITE-SOL	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 755	\$ 4,980	\$ 4,581
CHEVRON USA INC	\$ 2,044	\$ 814	\$ 941	\$ 448	\$ 433	\$ 4,680	\$ 4,581
CHEVRON USA-WILLBRIDGE	\$ 2,044	\$ 814	\$ 403	\$ 146	\$ 383	\$ 3,790	\$ 4,581
CINTAS CORP	\$ 2,044	\$ 814	\$ 1,075	\$ 594	\$ 580	\$ 5,107	\$ 4,581
COCA COLA USA SYRUP DIV	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 67	\$ 4,291	\$ 4,581
COLUMBIA AMERICAN PLATING	\$ 2,044	\$ 814	\$ 1,075	\$ 594	\$ 1,334	\$ 5,861	\$ 3,228
COLUMBIA WOOL SCOURING MILL	\$ 2,044	\$ 814	\$ 538	\$ 448	\$ 1,000	\$ 4,843	\$ 3,228
CONTINENTAL BRASS	\$ 2,044	\$ 814	\$ 1,075	\$ 896	\$ 703	\$ 5,532	\$ 4,581
***CUSTOM-KOTE CO	\$ 2,044	\$ 814	\$ 269	\$ 146	\$ -	\$ 3,273	\$ 3,228
DARIGOLD INC	\$ 2,044	\$ 814	\$ 1,613	\$ 874	\$ 200	\$ 5,544	\$ 9,001
DOUBLETREE	\$ 2,044	\$ 814	\$ 941	\$ 146	\$ 199	\$ 4,143	\$ 3,228
DURA INDUSTRIES INC	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,975	\$ 5,684	\$ 3,228
EAST SIDE PLATING 2&3	\$ 2,044	\$ 814	\$ 1,075	\$ 896	\$ 837	\$ 5,667	\$ 9,001
EAST SIDE PLATING 4	\$ 2,044	\$ 814	\$ 1,075	\$ 896	\$ 703	\$ 5,532	\$ 4,581
EAST SIDE PLATING 5	\$ 2,044	\$ 814	\$ 1,075	\$ 896	\$ 703	\$ 5,532	\$ 4,581
ELECTRO-CHEM METAL FINISH	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,414	\$ 5,123	\$ 4,581
ESCO CORPORATION	\$ 2,044	\$ 814	\$ 269	\$ 448	\$ 1,832	\$ 5,407	\$ 4,581
ESCO CORPORATION (PLANT #3)	\$ 2,044	\$ 814	\$ 269	\$ 448	\$ 362	\$ 3,937	\$ 3,228
***EXXCELLO	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 143	\$ 3,853	\$ 3,228
FRED MEYER INC DAIRY PLANT	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 67	\$ 4,291	\$ 9,001
FREIGHTLINER CORP-PARTS MFG	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,301	\$ 5,010	\$ 4,581
FREIGHTLINER CORP-TRUCK MFG	\$ 2,044	\$ 814	\$ 538	\$ 448	\$ 1,233	\$ 5,077	\$ 4,581
G S ROOFING PRODUCTS CO INC	\$ 2,044	\$ 814	\$ 403	\$ 146	\$ 199	\$ 3,606	\$ 3,228
GATX TERMINALS CORPORATION	\$ 2,044	\$ 814	\$ 941	\$ 448	\$ 1,250	\$ 5,497	\$ 4,581
GRANPAC FOODS INC	\$ 2,044	\$ 814	\$ 403	\$ 146	\$ 33	\$ 3,440	\$ 3,228
GRAZIANO PRODUCE COMPANY	\$ 2,044	\$ 814	\$ 538	\$ 291	\$ 67	\$ 3,754	\$ 3,228
HARBOR OIL INC	\$ 2,044	\$ 814	\$ 941	\$ 146	\$ 2,053	\$ 5,998	\$ 4,581
HERCULES INCORPORATED	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 397	\$ 4,622	\$ 4,581
HOSPITAL LINEN SERVICE	\$ 2,044	\$ 814	\$ 403	\$ 146	\$ 199	\$ 3,606	\$ 3,228
INTERNATIONAL YOGURT	\$ 2,044	\$ 814	\$ 672	\$ 291	\$ 67	\$ 3,888	\$ 1,975
IVC INDUSTRIES HALL DIVISION	\$ 2,044	\$ 814	\$ 941	\$ 448	\$ 133	\$ 4,380	\$ 3,228
J H RECOGNITION CO	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 190	\$ 3,900	\$ 1,975
KANTO CORPORATION	\$ 2,044	\$ 814	\$ 269	\$ 146	\$ 33	\$ 3,306	\$ 3,228
L S G SKY CHEFS	\$ 2,044	\$ 814	\$ 538	\$ 291	\$ 67	\$ 3,754	\$ 3,228
LEATHERMAN TOOL CO.	\$ 2,044	\$ 814	\$ 269	\$ -	\$ -	\$ 3,127	\$ 3,228
LEININGER POLISHING & PLATING	\$ 2,044	\$ 814	\$ 1,075	\$ 896	\$ 621	\$ 5,451	\$ 3,228
MCWHORTER TECHNOLOGIES	\$ 2,044	\$ 814	\$ 269	\$ 146	\$ 1,889	\$ 5,162	\$ 3,228
MYERS CONTAINER CORP	\$ 2,044	\$ 814	\$ 941	\$ 146	\$ 692	\$ 4,636	\$ 3,228
NABISCO INC-BAKERY	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 67	\$ 4,291	\$ 4,581
NEW SYSTEM LAUNDRY	\$ 2,044	\$ 814	\$ 538	\$ 291	\$ 397	\$ 4,084	\$ 3,228
OREGON AIR NATIONAL GUARD	\$ 2,044	\$ 814	\$ 403	\$ 146	\$ 1,118	\$ 4,525	\$ 3,228
OREGON HEALTH SCIENCES	\$ 2,044	\$ 814	\$ 1,613	\$ 2,374	\$ 8,646	\$ 15,492	\$ 9,001
OREGON PLATING CO	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 172	\$ 3,881	\$ 3,228
OWENS CORNING FIBERGLASS	\$ 2,044	\$ 814	\$ 538	\$ 291	\$ 67	\$ 3,754	\$ 4,581
PCC STRUCTURALS INC	\$ 2,044	\$ 1,628	\$ 1,344	\$ 1,646	\$ 830	\$ 7,493	\$ 9,001



Company Name	Annual Permit Fee	Inspection Fees	Report Fees	Sampling Charge	Expected Analysis Charge	Fee System Total	Tiered Point System Charge
PEPSI COLA BOTTLING COMPANY	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 67	\$ 4,291	\$ 3,228
PHOENIX GOLD	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 384	\$ 4,094	\$ 1,975
PORTLAND BOTTLING CO	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 67	\$ 4,291	\$ 9,001
QUALEX INC	\$ 2,044	\$ 814	\$ 538	\$ 448	\$ 48	\$ 3,891	\$ 3,228
SILVER EAGLE MANUFACTURING	\$ 2,044	\$ 814	\$ 403	\$ 448	\$ 1,593	\$ 5,303	\$ 3,228
SPECIALTY FINISHES INC	\$ 2,044	\$ 814	\$ 941	\$ 448	\$ 512	\$ 4,759	\$ 3,228
STEINFELDS PRODUCTS CO	\$ 2,044	\$ 814	\$ 941	\$ 146	\$ 33	\$ 3,978	\$ 4,581
SUNSHINE DAIRY	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 67	\$ 4,291	\$ 4,581
SUNSHINE DAIRY NE HALSEY	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 67	\$ 4,291	\$ 4,581
TCI AMERICA	\$ 2,044	\$ 814	\$ 403	\$ 146	\$ 90	\$ 3,497	\$ 1,975
TRI MET CENTER STREET GARAGE	\$ 2,044	\$ 814	\$ 403	\$ 146	\$ 383	\$ 3,790	\$ 3,228
VARICAST NORTHWEST	\$ 2,044	\$ 814	\$ 269	\$ 146	\$ 1,368	\$ 4,640	\$ 1,975
VENTURA FOODS	\$ 2,044	\$ 814	\$ 1,075	\$ 291	\$ 67	\$ 4,291	\$ 4,581
WACKER SILTRONIC CORP	\$ 2,044	\$ 1,628	\$ 1,075	\$ 594	\$ 1,487	\$ 6,827	\$ 9,001
WIDMER BREWING COMPANY	\$ 2,044	\$ 814	\$ 941	\$ 146	\$ 33	\$ 3,978	\$ 3,228
***ABCO SANITATION	\$ 1,149	\$ 352	\$ 239	\$ 146		\$ 1,885	\$ 4,581
ABHE & SVOBODA	\$ 1,149	\$ 352	\$ 239	\$ 448	\$ 62	\$ 2,250	\$ 3,228
ASSOCIATED CHEMISTS	\$ 1,149	\$ 352	\$ 359	\$ 146	\$ 199	\$ 2,203	\$ 4,581
ATLANTIC RICHFIELD COMPANY	\$ 1,149	\$ 352	\$ 359	\$ 448	\$ 426	\$ 2,734	\$ 3,228
AUTO WAREHOUSING CO	\$ 1,149	\$ 352	\$ 239	\$ 146	\$ 199	\$ 2,084	\$ 1,975
BABYLAND DIAPER SERVICE	\$ 1,149	\$ 352	\$ 958	\$ 896	\$ 95	\$ 3,449	\$ 3,228
BAKER COMMODITIES INC	\$ 1,149	\$ 352	\$ 838	\$ 146	\$ 33	\$ 2,517	\$ 3,228
BEALL TRAILERS	\$ 1,149	\$ 352	\$ 239	\$ 146	\$ 199	\$ 2,084	\$ 1,975
BLUE BEACON OF PORTLAND	\$ 1,149	\$ 352	\$ 479	\$ 448	\$ 284	\$ 2,711	\$ 1,975
BOISE CASCADE-RESEARCH	\$ 1,149	\$ 352	\$ 479	\$ 448	\$ 1,845	\$ 4,272	\$ 3,228
BORDEN CHEMICAL COMPANY	\$ 1,149	\$ 352	\$ 359	\$ 146	\$ 47	\$ 2,052	\$ 1,975
BRIDGEPORT BREWING COMPANY	\$ 1,149	\$ 352	\$ 958	\$ 291	\$ 67	\$ 2,816	\$ 3,228
CASCADE GENERAL INC	\$ 1,149	\$ 352	\$ 958	\$ 896	\$ 1,375	\$ 4,729	\$ 3,228
COLUMBIA KNIT INC	\$ 1,149	\$ 352	\$ 239	\$ 146	\$ 33	\$ 1,919	\$ 1,975
CUMMINS NORTHWEST INC	\$ 1,149	\$ 352	\$ 239	\$ 146	\$ 199	\$ 2,084	\$ 1,975
DARLING INTERNATIONAL	\$ 1,149	\$ 352	\$ 1,077	\$ 437	\$ 101	\$ 3,115	\$ 1,975
DSU PETERBILT AND GMC INC.	\$ 1,149	\$ 352	\$ 239	\$ 146	\$ 199	\$ 2,084	\$ 1,975
FLETCHERS FINE FOODS	\$ 1,149	\$ 352	\$ 838	\$ 146	\$ 199	\$ 2,682	\$ 3,228
FRANZ BAKERY	\$ 1,149	\$ 352	\$ 958	\$ 291	\$ 67	\$ 2,816	\$ 4,581
FUEL PROCESSORS INC	\$ 1,149	\$ 352	\$ 1,437	\$ 2,688	\$ 2,155	\$ 7,779	\$ 4,581
GRAPHIC ARTS CENTER INC	\$ 1,149	\$ 352	\$ 359	\$ 448	\$ 213	\$ 2,520	\$ 1,975
GREAT WESTERN CHEMICAL CO	\$ 1,149	\$ 352	\$ 838	\$ 146	\$ 138	\$ 2,622	\$ 3,228
GREYHOUND BUS LINES	\$ 1,149	\$ 352	\$ 359	\$ 146	\$ 2,153	\$ 4,158	\$ 3,228
HALL-BUCK MARINE T5	\$ 1,149	\$ 352	\$ 479	\$ 896	\$ 644	\$ 3,519	\$ 3,228
HALL-BUCK MARINE T4	\$ 1,149	\$ 352	\$ 239	\$ 448	\$ 241	\$ 2,429	\$ 1,975
HESSEL TRACTOR & EQUIPMENT CO	\$ 1,149	\$ 352	\$ 359	\$ 448	\$ 1,098	\$ 3,406	\$ 3,228
JAMES RIVER CORP	\$ 1,149	\$ 352	\$ 239	\$ 448	\$ 62	\$ 2,250	\$ 1,975
JEFFERSON SMURFIT CORP	\$ 1,149	\$ 352	\$ 239	\$ 448	\$ 62	\$ 2,250	\$ 3,228
K & K COLOR LAB	\$ 1,149	\$ 352	\$ 239	\$ 448	\$ 48	\$ 2,235	\$ 1,975
***KILLINSWORTH FAST DISPOSAL	\$ 1,149	\$ 352	\$ 239	\$ 146		\$ 1,885	\$ 1,975
***LIQUID SUGARS, INC.	\$ 1,149	\$ 352	\$ 239	\$ 146		\$ 1,885	\$ 3,228
MCCALL OIL REMEDIATION	\$ 1,149	\$ 352	\$ 359	\$ 146	\$ 199	\$ 2,203	\$ 1,082
METRO CENTRAL TRANSFER STATION	\$ 1,149	\$ 352	\$ 239	\$ 448	\$ 241	\$ 2,429	\$ 1,975
MOUNT HOOD CHEMICAL	\$ 1,149	\$ 352	\$ 479	\$ 291	\$ 232	\$ 2,502	\$ 1,975
OREGONIAN PUBLISHING CO	\$ 1,149	\$ 352	\$ 359	\$ 448	\$ 270	\$ 2,577	\$ 1,975
OTA TOFU	\$ 1,149	\$ 352	\$ 479	\$ 291	\$ 32	\$ 2,303	\$ 1,975
PORTLAND BREWING COMPANY	\$ 1,149	\$ 352	\$ 958	\$ 291	\$ 67	\$ 2,816	\$ 3,228
PORTLAND INTERNATIONAL AIRPORT	\$ 1,149	\$ 352	\$ 180	\$ 73	\$ 123	\$ 1,876	\$ 3,228
PROGRESSIVE INK	\$ 1,149	\$ 352	\$ 239	\$ 448	\$ 62	\$ 2,250	\$ 1,975
PURDY CORP	\$ 1,149	\$ 352	\$ -	\$ -	\$ -	\$ 1,500	\$ 3,228
REXAM GRAPHICS	\$ 1,149	\$ 352	\$ 359	\$ 146	\$ 521	\$ 2,525	\$ 3,228
RYDER TRUCK RENTAL	\$ 1,149	\$ 352	\$ 239	\$ 448	\$ 255	\$ 2,443	\$ 1,975

Company Name	Annual Permit Fee	Inspection Fees	Report Fees	Sampling Charge	Expected Analysis Charge	Fee System Total	Tiered Point System Charge
SPENCER ENVIRONMENT	\$ 1,149	\$ 352	\$ 838	\$ 448	\$ 1,152	\$ 3,938	\$ 3,228
ST JOHNS SANITARY LANDFILL	\$ 1,149	\$ 352	\$ 239	\$ 448	\$ 1,158	\$ 3,346	\$ 1,975
SUPERIOR	\$ 1,149	\$ 352	\$ 479	\$ 291	\$ 470	\$ 2,740	\$ 3,228
TERRA VAC	\$ 1,149	\$ 352	\$ 359	\$ 146	\$ 606	\$ 2,611	\$ 1,975
TIDEE-DIDEE DIAPER SERVICE	\$ 1,149	\$ 352	\$ 838	\$ 448	\$ 62	\$ 2,848	\$ 1,975
TIME OIL CO	\$ 1,149	\$ 352	\$ 359	\$ 146	\$ 544	\$ 2,549	\$ 1,975
TOSCO DISTRIBUTION CO	\$ 1,149	\$ 352	\$ 359	\$ 146	\$ 383	\$ 2,388	\$ 3,228
TRI MET POWELL GARAGE	\$ 1,149	\$ 352	\$ 239	\$ 146	\$ 199	\$ 2,084	\$ 1,975
TRIMET BUTLER BLOCK	\$ 1,149	\$ 352	\$ -	\$ -	\$ -	\$ 1,500	\$ 1,975
UNIFIRST CORPORATION	\$ 1,149	\$ 352	\$ 958	\$ 594	\$ 440	\$ 3,491	\$ 3,228
UNION PACIFIC RAILROAD CO ALBINA YARD	\$ 1,149	\$ 352	\$ 359	\$ 146	\$ 199	\$ 2,203	\$ 3,228
UNOCAL 4548	\$ 1,149	\$ 352	\$ 359	\$ 146	\$ 606	\$ 2,611	\$ 1,975
VAN WATERS & ROGERS	\$ 1,149	\$ 352	\$ 838	\$ 146	\$ 33	\$ 2,517	\$ 3,228
***WYEAST COLOR INC	\$ 1,149	\$ 352	\$ 239	\$ 146		\$ 1,885	\$ 1,975
YOSHIDA	\$ 1,149	\$ 352	\$ 838	\$ 146	\$ 33	\$ 2,517	\$ 3,228
AAA PRECIOUS METALS	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
***AMERICAN FINISHING TECHNOLOGIES	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
ART CRAFT SILVERSMITHS	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
CASCADE COIL DRAPERY INC	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
COLUMBIA ALUMINUM RECYCLING	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,975
COLUMBIA STEEL CASTING CO	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,975
CONSOLIDATED METCO INC	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,975
***DRUE PAINTS INC	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
ELF ATOCHEM NORTH AMERICA INC	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,975
***FOUCH ELECTRIC MFG CO	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
GALVANIZERS COMPANY	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,975
HD SOLUTIONS	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
INDUSTRIAL CHROME PLATING CO	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
KOPPERS INDUSTRIES	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,975
LACAMAS LABORATORIES INC	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 3,228
MACADAM ALUMINUM & BRONZE	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
MILLER PAINT CO-PLANT	\$ 130	\$ 171	\$ 160	\$ 73	\$ 324	\$ 858	\$ 1,975
OREGON RETINNERS CO	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
OREGON STEEL MILLS INC	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,975
PECO INC	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,975
PORTLAND BOLT & MANUFACTURING	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
PORTLAND FOUNDRY	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
PRECISION EQUIPMENT INC	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,975
PRISM INDUSTRIES	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
QUALITY BRASS AND ALUMINUM	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
***RODA PAINT	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
ROSE CITY AWARDS	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,082
SIMPSON TIMBER	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,975
WADE MANUFACTURING CO	\$ 130	\$ 171	\$ 107	\$ -		\$ 408	\$ 1,975
Total	\$ 216,439	\$85,237	\$82,575	\$51,419	\$74,042	\$509,712	\$509,712

RECEIVED

APR 19 1999

KOPPERS INDS, INC.  
PORTLAND OR



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

April 23, 1999

Mr Amos Kamerer  
Plant Manager  
Koppers Industries  
7540 NW St Helens Rd  
Portland OR 97210

Re: Industrial Wastewater Permit Fee Proposal

Dear Mr Kamerer:

We have received much input from our permitted industrial customers regarding the risk/effort and activity-based permit fee systems that are being proposed to charge for the costs of administering the regulatory functions of the pretreatment program. Based on the nature and number of comments received, the City has selected the activity-based (fee) system for the permitted non-discharging industrial customers such as yours.

At its May 12, 1999 meeting, City Council will consider an ordinance implementing this new fee, beginning in January 2000. We expect the fee will be phased in as follows: 1/3 of the fee will be charged from January 2000 through June 2000, 2/3 from July 2000 through June 2001, and the full fee charged after July 2001, and annually thereafter. For your facility, this would result in the following fees: January 2000 until June 2000 \$141, July 2000 through June 2001 \$281, and after July 2001 \$422. The fees for the July 2000 – June 2001 and July 2001 – June 2002 may have some inflationary increase added.

I appreciate your help in selecting the fee structure that will be presented to City Council. Please feel free to comment on the fee proposal at the City Council hearing, May 12, 1999 at 2:00 p.m. If I can be of assistance, please feel free to call me at 823-7763.

Susan D. Keil  
Manager, Industrial and Solid Waste

*CC: T. Self - F.Y.I.*

*Amos 4/26/99*

RECEIVED

APR 26 1999

KOPPERS INDS, INC.  
PORTLAND OR



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

Expiration Date: 10/1/99  
Permit Number: 314-001  
Page: i

## MUNICIPAL PRETREATMENT PROGRAM WASTEWATER DISCHARGE PERMIT

ISSUED TO: KOPPERS INDUSTRIES, INC.  
SIC CODE: 2865  
PLANT TYPE: Bulk Organic, Processing/Storage  
EPA CATEGORY: 414  
LOCATION: 7540 NW St. Helens Rd.  
Portland, OR 97210  
MAILING ADDRESS: William E. Swearingen  
436 Seventh Ave.  
Pittsburgh, PA 15219-1800  
RESPONSIBLE OFFICIAL: William E. Swearingen  
PHONE NUMBER: (412) 227-2883  
FAX NUMBER: (412) 227-2423

APPLICATION FEE RECEIVED: September 9, 1994

EXPIRATION DATE: October 01, 1999

INDUSTRIAL AND SOLID  
WASTE MANAGER:

*Maurice Bedding for*  
Susan D. Keil

EFFECTIVE DATE: \_\_\_\_\_

PREPARED BY: Christina K. Anderson

CHECKED BY:

mas  
GWB

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

1



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

## MUNICIPAL PRETREATMENT PROGRAM

### INDUSTRIAL USER

### COMPANY OFFICIAL SIGNATORY AUTHORIZATION

The undersigned person has been designated by KOPPERS INDUSTRIES, INC., as the duly authorized representative with the assigned responsibility for environmental matters and compliance with the firm's City of Portland Waste Discharge Permit (#314-001) and the Code of the City of Portland.

This authorization is made pursuant to 40 CFR 403.12(1)(1-3).

**RESPONSIBLE CORPORATE OFFICIAL:** AMOS S. KAMERER, PLANT MANAGER

(PLEASE PRINT- NAME/TITLE)

**SIGNATURE:**

11/1/94

(DATE)

#### 40 CFR 403.12(1)(4)

If an authorization under paragraph (1)(3) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for environmental matters for the company, a new authorization satisfying the requirement of paragraph (1)(3) of this section must be submitted to the Control Authority prior to or together with any reports to be signed by an authorized representative.

S:\IU-K\KOPPERS\PERMIT\FORMS\94-SIG.ATH

TABLE OF CONTENTS

Expiration Date: 10/1/99  
Permit Number: 314-001  
Page: ii

---

**CONTENTS**

COVER:	SIGNATURE PAGE.....	i
TABLE OF CONTENTS:	.....	ii
INTRODUCTION:	PERMITTED ACTIVITIES.....	iii
SCHEDULE	A WASTEWATER DISCHARGE LIMITATIONS.....	A1-1
	B MONITORING AND REPORTING REQUIREMENTS.....	B1-1
	C COMPLIANCE SCHEDULE.....	C1-1
	D SPECIAL CONDITIONS.....	D1-1
	E GENERAL CONDITIONS.....	E1-10
APPENDIX	1 DEFINITIONS.....	1.1-6
	2 SAMPLING LOCATION MAP.....	2.1-1
	3 ACCIDENTAL SPILL PREVENTION PLAN.....	3.1-1
NDCR	1 NO DISCHARGE CERTIFICATION REPORT.....	1-1



INTRODUCTION

Expiration Date: 10/1/99  
Permit Number: 314-001  
Page: iii

---

## INTRODUCTION

### PERMITTED ACTIVITIES

The permittee is authorized to discharge sanitary wastewater only to the City of Portland's sewer system. No process wastewater discharges are allowed.

**Schedule A**  
**WASTEWATER DISCHARGE LIMITATIONS**

Waste discharge limitations are not to be exceeded after the effective date.

Applicable Regulations: Chapters 17.34 and 17.36 of the Code of the City of Portland and 40 CFR 413.64.

**Limits:** No process wastewater discharges to the City of Portland's sanitary sewer system are allowed under this permit.

Any discharges after the effective date will be approved by Batch Discharge Application only. Contact the Permit Manager for procedural information.

**Notes:**

1. This schedule may be revised upon written notification by the City to accommodate process changes by the permittee or as determined by the Director of Environmental Services.
2. In addition to the limits stated in Schedule A, the permittee shall comply with all other applicable City, State and Federal regulations.

SCHEDULE B  
MONITORING AND REPORTING REQUIREMENTS

Expiration Date: 10/1/99  
Permit Number: 314-001  
Page B1 of 1

---

**Schedule B  
MONITORING AND  
REPORTING REQUIREMENTS**

Minimum Monitoring and Reporting Requirements

- I. Periodic Compliance Report (continuous requirement to commence on October 15, 1994).
  1. The permittee shall report semiannually (July 15th and January 15th of each year) on the status of its compliance with the conditions of this permit. This report shall contain the following information:
    - a. A signed statement ("No Discharge Certification Report") by the officially designated responsible official stating the permittee's compliance or non-compliance with the limits established in Schedule A of this permit, **(Schedule A limits -- no process wastewater discharged to the City of Portland's sanitary sewer)**.
    - b. A log of all process wastewater shipped off-site or disposed of on-site, shall be kept and submitted with each Periodic Compliance Report. This log shall include the volume, date shipped, D.O.T. classification and destination of all liquid process wastewater.

Notes:

1. All official sampling (for Batch Discharge requests) shall be taken at the approved Sampling Location (see Appendix 2).
2. All monitoring results and reports are to be mailed to:

Source Control Management  
Bureau of Environmental Services  
City of Portland  
1120 S.W. 5th Ave. Rm. 400  
Portland, Or. 97204-1972

**Schedule C  
COMPLIANCE SCHEDULE**

**1. Signatory Authorization:**

The permittee shall sign and return the Company Official Signatory Authorization form (enclosed with this permit) by **December 31, 1994**.

**2. Sampling Point Location**

Prepare a diagram of the facility which indicates the location of the wastewater collection tank which would be sampled as part of a batch discharge request. The diagram must depict how City sampling crews may access the sample point. Submit the map for City approval by **December 31, 1994**.

**3. Accidental Spill Prevention Plan:**

The permittee shall prepare for City approval, an Accidental Spill Prevention Plan (ASPP) by **December 31, 1994**, for inclusion in this permit as Appendix 3. The ASPP shall comply with Section 17.34.090 of the City Code and **Schedule E, GENERAL CONDITIONS, item 2: Accidental Spill Prevention Plan**.

SCHEDULE D  
SPECIAL CONDITIONS

Expiration Date: 10/1/99  
Permit Number: 314-001  
Page: D1 of 1

---

**Schedule D**  
**SPECIAL CONDITIONS**

**GENERAL CONDITIONS**

**1. Authorized Discharge**

All discharge and activities authorized herein shall be consistent with the terms and conditions of this permit, Chapter 17.34 of the City Code and the Administrative rules. The discharge of any pollutant in excess of these limits shall constitute a violation of the terms and conditions of this permit.

**2. Accidental Spill Prevention Plan**

To comply with Section 17.34.090 of the City Code, the permittee shall submit a new or revised Accidental Spill Prevention Plan (ASPP) to the Industrial Wastewater Management Section 90 days after the effective date of this permit. The plans shall include the following elements.

- a. A description of the hazardous substances handled and their potential points of entry into the City sewer system or storm runoff
- b. A description of the measures to be taken to prevent entry at the described points before a spill occurs
- c. Measures to be taken to contain a spill if one occurs
- d. A description of employee training in the prevention and control of spills
- e. A posted notice informing employees of the requirement to notify the Bureau of Environmental Services in case of spills or uncontrolled discharges.

**3. Records Retention**

All records of monitoring activities and results, including all original strip chart recordings for continuous monitoring instrumentation (and calibration and maintenance records), shall be retained by the permittee for a minimum of three years. This retention period shall be extended during the course of any unresolved litigation pertaining to the discharge of pollutants by the permittee, or whenever it is requested by the City.

**4. Monitoring**

- a. The permittee shall record the following information:
  - \* The exact date, time, and place of sampling
  - \* Name of person who collected the sample(s)
  - \* Type of sample(s) collected
  - \* The dates analyses were performed
  - \* Who performed the analyses
  - \* The analytical techniques or methods used
  - \* The results of all required analyses
  - \* Whether quality assurance and quality control laboratory procedures are followed
- b. Samples and measurements, taken to meet the requirements of the above condition, shall be representative of the effluent. Grab samples must be collected for pH, cyanide, phenol, sulfide, volatile organic compounds and oil and grease monitoring.
- c. All sampling and analytical methods used to meet the monitoring requirements specified in this permit shall, unless otherwise approved in writing by the City, conform to the Guidelines Establishing Test Procedures for the Analysis of Pollutants as specified in 40 CFR, Part 136. Laboratory quality assurance and quality control programs should be documented. EPA QA/QC programs should be followed.
- d. The permittee is required to document proper installation, and maintenance of flow monitoring and sampling equipment.
- e. If the results of the permittee's wastewater analysis indicate that a noncompliance has occurred, the permittee must notify the City's Source Control Management Section within 24 hours of becoming aware of the noncompliance. The permittee must also repeat the sampling within 24 hours of the effluent noncompliance or next process day and submit the analysis to the City within 30 days after becoming aware of the noncompliance.

**4. Monitoring (continued)**

- f. The permittee shall take all reasonable steps to minimize or correct any adverse impact to the POTW or the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.
- g. If requested, the permittee shall provide or split discharge samples with the City of Portland Water Pollution Control Laboratory.

**5. Reporting Requirements**

a. Accidental or Slug Loading

The permittee shall notify the City immediately, either in person or by telephone (Duty Officer Pager # 323-3398 and Lead Operator CBWTP # 823-2300), if accidental or slug loading to the sanitary sewer occurs. A formal written report, discussing circumstances and remedies, shall be submitted to the City within 5 days of the occurrence.

b. Changes in Wastewater Characteristics

The permittee shall give notice to the Source Control Management Section 90 days before any facility expansion, production increase, or process modifications that result in new or substantially increased discharges or a change in the nature of the discharge.

c. Change in representative

If the responsible corporate official changes, notify the City within 10 days, as per 40CFR 403.12 (1) (4).

**6. Upset**

a. Definition:

For the purposes of this section, upset means an exceptional incident in which there is unintentional and temporary noncompliance with applicable pretreatment standards, because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.



**6. Upset (continued)**

b. Effect of an Upset:

An upset will constitute an affirmative defense to an action brought for noncompliance with applicable pretreatment standards, if the requirements of paragraph c are met.

c. Conditions Necessary for a Demonstration of an Upset:

A permittee who wishes to establish the affirmative defense of an upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An upset occurred and the permittee can identify the specific cause(s) of the upset.
- (2) The facility was, at the time, being operated prudently, efficiently, and in compliance with applicable operation and maintenance procedures.
- (3) The permittee has submitted the following information to the Source Control Management Section within 24 hours of becoming aware of the upset (if this information is provided orally, a written submission must be provided within 5 days).
  - \* A description of the indirect discharge and cause of noncompliance
  - \* The period of noncompliance, including exact dates and times or, if not corrected, the anticipated duration of noncompliance
  - \* Steps planned or now being taken to reduce, eliminate, and prevent recurrence of the noncompliance

**6. Upset (continued)**

d. Burden of Proof

In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset shall have the burden of proof.

e. Permittee Responsibility in Case of an Upset.

If reduction, loss, or failure of its treatment facility occurs, the permittee shall control production of all discharges in order to maintain compliance with applicable pretreatment standards until the facility is restored or an alternative method of treatment is provided. This requirement especially applies if the primary source of the treatment facility power is reduced, lost, or failed.

**7. Bypass or Diversion**

The diversion or bypass (the intentional diversion of wastestreams from any portion of a permittee's treatment facility) of any discharge, from facilities used by the permittee, to maintain compliance with the terms and conditions of this permit is prohibited except:

a. When unavoidable to prevent loss of life or severe property damage.

b. When excessive storm drainage or runoff would damage facilities necessary for compliance with the terms and conditions of this permit.

The permittee shall immediately notify the City in writing of each such diversion or bypass, in accordance with the procedure specified in condition No. 16.

**8. Property Rights or Privileges**

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges; it does not authorize any injury to private property or any invasion of personal rights; and it does not authorize any infringements or federal, state, or local laws or regulations.

**9. Permit Suspension or Termination**

- a. Violation of any terms or conditions of this permit or any applicable rule, standard, or order of the director of the Bureau of Environmental Services.
- b. Obtaining this permit by misrepresentation or failure to fully disclose all relevant facts.
- c. Falsifying self-monitoring reports.
- d. Tampering with monitoring equipment.
- e. Refusing to allow prompt access to the facility premises and records.
- f. Failure to meet effluent limitations.
- g. Failure to pay fines.
- h. Failure to meet compliance schedules.

**10. Permit Modification**

This permit may be modified with 30 days prior written notification, in whole or in part, for causes including but not limited to the following:

- a. A change in the City's NPDES permit or any other condition that requires either a temporary or permanent elimination of any authorized discharge.
- b. To incorporate new or revised federal, state, or local pretreatment standards or requirements.
- c. Information indicating that the permitted discharge poses a threat to the City's collection and treatment system, POTW personnel, or the receiving waters and sludge.
- d. To correct typographical or other errors in the permit.
- e. Any significant change in the volume of a permitted discharge.

**11. Permit Renewal**

This permit is issued to a specific entity and cannot be transferred by the industrial user and must be renewed pursuant to Section 17.34.070 of the Code of the City of Portland and Permit Applications must be received 90 days prior to:

- a. Expiration date of current permit.
- b. In the event the permittee plans to cease operations at the present location, and plans to relocate within the City of Portland's jurisdiction and continue the same permitted activities.
- c. The permitted industrial process being significantly altered or changed so that pollutants not specifically mentioned in the current permit are present in the permittee's discharge.

**12. Plant Closure**

In the event the permittee plans to cease operations at the present business location, and not to relocate within the City of Portland's jurisdiction, the permittee shall inform this office, in writing, 90 days prior to plant closure.

**13. Appeal**

The permittee may request reconsideration of the terms of this permit within thirty (30) days of the effective date. This request must be in writing; failure to submit a request for reconsideration shall be deemed a waiver of the appeal.

**14. Liability**

The City of Portland, its officers, agents or employees shall not sustain any liability due to the issuance of this permit or the construction or maintenance of facilities resulting from this permit.

**15. Severability**

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to the other circumstances and the remainder of this permit shall not be affected.

**16. Notification of Slug Load**

If the permittee is unable to comply with all the conditions of this permit due to a breakdown of equipment or facilities, an accident caused by human error or negligence, or any other cause such as an act of nature, or should any condition cause the release of any slug load, the permittee shall:

- a. Immediately take action to stop, contain, clean up the unauthorized discharges, and correct the problem.
- b. Immediately call the Lead operator of the Columbia Boulevard Wastewater Treatment Plant (823-2300) so that plant personnel can evaluate the impact of the discharge and take corrective action. Notify Source Control by calling the Duty Officer, pager # 323-3398.
- c. Within five (5) days submit a detailed written initial report to the City describing the breakdown, the actual quantity of resultant waste discharges, the corrective action taken, the steps taken to prevent recurrence, and any other pertinent information.

Samples shall be taken immediately upon discovery of the Slug load. Within 15 days, a follow-up report shall be submitted. The report shall contain analysis of samples taken during such discharge and samples taken after normal conditions have been restored. The samples, at a minimum, shall be analyzed for the parameters required in Schedule B. Sampling shall be continued until all parameters are within discharge limits.

**17. Continuous Compliance**

Compliance with No. 16 shall not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this permit.

---

**18. Inspection and Entry**

The permittee shall, at all reasonable times, allow authorized representatives of the City:

- a. To enter the permittee's premises where an effluent source or disposal system is located or where any records associated with this permit are kept.
- b. To have access to any required records and permission to copy these records. At no time can wastewater effluent data be claimed or held as confidential information.
- c. To inspect and evaluate any monitoring equipment or monitoring methods required by this permit.
- d. To sample any discharge to the sewer system.

**19. Certification**

Legible copies of all applications, reports, and information submitted to the City shall be signed and certified as follows in accordance with 40CFR 403.12.

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

**20. Extra-Strength Sewer Charge (ESSC)**

Discharges exceeding 300 mg/L for the 5-day biochemical oxygen demand (BOD) or 350 mg/L total suspended solids (TSS) concentrations (as defined in Section 17.36.060(1) of the City Code) shall be subject to the extra-strength sewer charge (ESSC) established in Section 17.36.060(1).

**21. Chemical Storage**

Chemical storage shall conform to hazardous waste storage requirements, as stipulated in the DEQ Hazardous Waste Management Rules, contained in Oregon Administrative Rules Chapter 340.

Chemicals shall be stored in a manner that will prevent the entry of these substances into the sanitary, combined sewer, or storm sewer system, or waters of the state.

**22. Enforcement Provision**

A violation of any conditions, standards or requirements of this permit constitutes a violation Chapter 17.34 of the City Code and any rules promulgated thereunder. Therefore, the City may seek any or all of the remedies or penalties provided in Section 17.34.110 of the City Code, including recovery costs incurred by the City, in response to the following:

- a. Any violation by the permittee of the provisions in this Industrial Wastewater Discharge Permit.
- b. Any violation by the permittee of the provisions of the City Code.
- c. Any violation by the permittee of an Enforcement Action requirement with respect to provisions set forth in this Industrial Wastewater Discharge Permit and the City Code and Administrative Rules.

The range or severity of enforcement actions taken by the City against the permittee will be determined by, but not limited to, the nature, magnitude, duration, and frequency of the violation as provided by City Code and Administrative Rules.

**23. Hazardous Waste Notification**

The industrial user shall notify the Source Control Management Section, the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40CFR Part 261. Such notification must include the name of the hazardous waste as set forth in 40CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the industrial user discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the industrial user: an identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following 12 months.

**24. Dilution Prohibition**

It is unlawful for a discharger to use dilution as a partial or complete substitute for adequate treatment to achieve compliance with the standards and limitations set forth in this permit. The Director may impose mass limitations on dischargers who are using dilution to meet the applicable pretreatment standards or the requirement set forth in this permit.

---

**Appendix 1  
DEFINITIONS**

**Abbreviations**

BOD <sub>5</sub>	Five-day biochemical oxygen demand
mg/L	Milligrams per liter
k	Kilograms
m <sup>3</sup> /d	Cubic meters per day
ppm	Parts per million (assumed equal to milligrams per liter)
POTW	Publicly owned treatment works
WPCL	Water Pollution Control Laboratory

Averages for BOD, TSS, and chemical parameters are based on arithmetic mean of samples taken.

**Definitions**

Bypass

The intentional diversion of wastestreams from any portion of a permittee's treatment facility.

Compatible Pollutant

Biochemical oxygen demand, suspended solids, pH and fecal coliform bacteria, and additional pollutants that the City treatment works is designed to treat.

Conventional Pollutants

Classification of industrial pollutants, which includes BOD (biochemical oxygen demand), suspended solids, fecal coliform, pH (acidity/alkalinity), and other pollutants so designated by EPA, as defined by Section 304(a)(4) of the Clean Water Act.

Director of Environmental Services

The Director of Environmental Services of the City of Portland, Oregon, or that person's duly authorized representative or agent.

City, or City of Portland

The municipality of Portland, Oregon, a municipal corporation of the State of Oregon, acting through the City Council or any board, committee, body, official, or person to whom the Council shall have lawfully delegated the power to act on behalf of the City. Unless a particular board, committee, official, or person is specifically designated in these rules and regulations, wherever action by the City is explicitly required or implied herein, it shall be understood to mean action by the Director of Environmental Services of Portland, Oregon, or that person's duly authorized representative or agent.



Effective Date of this Permit

The date this permit is signed by the Director of the Bureau of Environmental Services.

Expiration Date

From 1 to 5 years beyond the effective date of this permit.

Hazardous or toxic substances

Hazardous or toxic substances are those substances referred to in section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (42 U.S. Code 9601 et seq.), section 502(13) of the Clean Water Act, and any other substances so designated by the Director of Environmental Services and contained in rules adopted pursuant to this Chapter.

Industrial Waste

Any liquid, solid, or gaseous substance (or combination thereof) resulting from any process of industry, manufacturing, commercial food processing, business, agriculture, trade, or research, including but not limited to the development, recovery, or processing of natural resources and leachate from landfills or other disposal sites.

Industrial Wastewater Discharge Permit

A permit to discharge industrial wastewater into the City sewer system issued under the authority of the City Code, which prescribes certain discharge requirements and limitation.

Interference

Interference means a discharge which, alone or in conjunction with a discharge or discharges from other sources, inhibits or disrupts the normal operation of the City sewer system, or which causes a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or any increase in the cost of treatment of sewage or in the cost of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent State or local regulations); Section 405 of the Clean Water Act, the Solid Waste Disposal Act (including Title II, more commonly referred to as the Resource Conservation and Recovery Act), and including State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of RCRA, the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.

Maximum Daily Discharge Limitation

The highest allowable daily discharge.

Nonconventional Pollutants

All pollutants that are not specifically designated as either conventional or toxic.

Oil and Grease

Fats, Oils and Grease. Fats, oils and grease are those substances which are measured by Standard Methods, current edition, freon extraction Method 5520B.

- (a) Non-polar fats, oils and grease are that portion of fats, oils and grease which is measured as non-polar (from petroleum sources) by Standard Methods, current edition, Method 5520F.
- (b) Polar fats, oils and grease are that portion of fats, oils and grease which is determined to be polar (of animal or vegetable origin) by Standard Methods, current edition, Method 5520F.

Pass Through

Pass through means a discharge which exits the POTW into waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation).

POTW

POTW means Publicly Owned Treatment Works, which includes any devices and systems, owned by a State or municipality, used in the collection, transportation, storage, treatment, recycling and reclamation of wastewater.

Pretreatment

The reduction of the amount of pollutants, the elimination of pollutants, or the alternation of the nature of pollutant properties in wastewater to a non-harmful state, prior to or in lieu of discharge of such pollutants into the City sewer system.

---

Sampling

- a. The "monthly average" other than pH is the arithmetic mean of samples collected during a calendar month.
- b. The "daily maximum" is defined as the greatest allowable value for any calendar day.
- c. A "24-hour composite" sample shall mean a flow-proportioned mixture of not less than eight discrete aliquots. Each aliquot shall be a grab sample of not less than 100 ml and shall be collected and preserved in accordance with 40CFR part 136 and amendments.
- d. A "Grab" sample is an individual sample collected in less than 15 minutes, without regard for flow or time.
- e. A "Grab-Composite" is a minimum of four grab samples collected and preserved over a 24-hour period and combined to provide a representative sample of effluent being discharged.

Schedule of Compliance

A schedule of remedial measures, including an enforceable sequence of actions or operations leading to compliance with an effluent limitation or other limitation, prohibition, or standard.

Severe Property Damage

Substantial physical damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

Slugload

A slugload is any discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch discharge.

Solid Waste

Any garbage, refuse, or sludge from a waste treatment plant, water supply treatment plant, or air pollution control facility including solid, liquid, semisolid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities, but does not include solid or dissolved material in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges that are point sources subject to permits.

Solid Waste Disposal

The final placement of refuse that cannot be salvaged or recycled.

Solvent Management Plan

A plan that specifies the toxic organic compounds used, the method of disposal used (instead of dumping into wastestreams), and procedures for ensuring that toxic organics do not spill or leak into wastewater discharged to the City sewer system.

Total Dissolved Solids

The total dissolved (filterable) solids as determined by use of the method specified in the list of approved test procedures.

Total Organic Active Ingredients

The sum of all organic active ingredients covered by the organic pesticide chemicals manufacturing subcategory, which are manufactured at a facility subject to the effluent guidelines for pesticides chemicals manufacturing.

Total Solids

The sum of dissolved and undissolved constituents in water or wastewater, usually expressed as milligrams per liter.

Total Suspended Solids

Total suspended matter that either floats on the surface or is in suspension in water or wastewater and that are removable by laboratory filtering (as described in *Standard Methods for the Examination of Water and Wastewaters*, current edition) or Guidelines Establishing Test Procedures for the analysis of Pollutants, contained in 40CFR 136, as published in the *Federal Register*. (Bureau of Environmental Services Administrative Rules I[22])

Upset

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with applicable pretreatment standards, because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

APPENDIX 1  
DEFINITIONS

Expiration Date: 10/1/99  
Permit Number: 314-001  
Page 1.6 of 6

---

Waste

Unwanted materials left over from manufacturing processes, or refuse from places of human or animal habitation.

Wastewater

Industrial waste, sewage, or any other waste, including that which may be combined with any groundwater, surface water, or stormwater that may be discharged to the city sewer system.

Water Pollution

The addition of enough harmful or objectionable material to damage water quality.

APPENDIX 2  
SAMPLING LOCATION MAP

Expiration Date: 10/1/99  
Permit Number: 314-001  
Page 2.1 of 1

---

**Appendix 2**  
**SAMPLING LOCATION MAP**

To be prepared by the permittee and approved by the City

**Attached**

**Appendix 3**  
**ACCIDENTAL SPILL PREVENTION PLAN**

To be prepared by the permittee and approved by the City

**Due December 31, 1994**

# ENVIRONMENTAL SURVEY A



CITY OF

PORTLAND, OREGON

BUREAU OF ENVIRONMENTAL SERVICES

Environmental Survey

Wastewater Generating Characteristics

LEAVE BLANK City Use Only

Date Received: \_\_\_\_\_

Treatment Plant: \_\_\_\_\_

Service Area: \_\_\_\_\_

Pump Stations: \_\_\_\_\_

Sewer Node: \_\_\_\_\_

Please complete in full, either typed or printed clearly.

## SECTION A - GENERAL INFORMATION

A1. Company name: KOPPERS INDUSTRIES, INC.

A2. Division name: TAR PRODUCTS

A3. Address of the facility:  
7540 NW ST HELENS ROAD  
PORTLAND, OR 97210-3663

A4. Mailing address: SAME

A5. Representative completing this form:

Name AMOS S. KAMERER

Title PLANT MANAGER

Telephone 286-3681

FAX 285-2831

A6. Brief description of business—principal products and services:

A TERMINAL FACILITY FOR COAL TAR BASED PRODUCTS AS FOLLOWS:

PENCIL PITCH, LIQUID PITCH, CREOSOTE, CREOSOTE DISTILLATES AND REFINED COAL TARS

A7. Is the building presently connected to public sewer system? ☒ Yes ☐ No  
If no, have you applied for a sewer connection? ☐ Yes ☐ No  
Estimated date of connection \_\_\_\_\_

A8. Standard Industrial Classification Number(s) (SIC Code if known):  
2865

Business License No.: 398554

A9. Do you or will you discharge oils, grease, or fats to the public sewer? ☐ Yes ☐ No

A10. Place a check for device used:

a. Oil and water separator N/A ☐ Yes ☐ No  
b. Grease trap N/A ☐ Yes ☐ No  
c. Sand/sediment trap N/A ☐ Yes ☐ No

A11. What is your normal frequency of cleaning the oil and grease trap? Where do you dispose of trapped oil and grease?  
N/A

A12. Do you or will you have chemical storage containers, bins, or ponds at your facility? ☒ Yes ☐ No  
Do you have any underground storage tank(s) ☐ Yes ☒ No

A13. Have you been issued a local, state, or federal environmental permit? ☒ Yes ☐ No  
If yes, please list the types of permit(s). NPDES #101003, FACILITY #47430

A14. Do you or will you have floor drains in your manufacturing or storage area? ☐ Yes ☒ No  
If you have chemical storage containers, bins, or ponds, or floor drains in manufacturing or storage area, could an accidental spill lead to a discharge to an onsite disposal system (e.g., through a floor drain)? ☐ Yes ☒ No  
Public sewer? ☐ Yes ☒ No  
To storm drain? ☐ Yes ☒ No  
To ground? ☒ Yes ☐ No

A15. Do you or will you discharge wastewater (other than domestic waste from bathrooms, toilets, etc.) to an onsite disposal system? ☒ Yes ☐ No  
or storm sewer? ☐ Yes ☒ No

A16. Do you or will you discharge wastewater (other than domestic waste from bathrooms, toilets, etc.) to the public sewer system? ☐ Yes ☒ No

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

*A.S. Kamerer*

Title PLANT MANAGER

Date

9/8/94

Koppers012750



# ENVIRONMENTAL SURVEY A



CITY OF

PORTLAND, OREGON

BUREAU OF ENVIRONMENTAL SERVICES

Environmental Survey

Wastewater Generating Characteristics

LEAVE BLANK City Use Only

Date Received: \_\_\_\_\_

Treatment Plant: \_\_\_\_\_

Service Area: \_\_\_\_\_

Pump Stations: \_\_\_\_\_

Sewer Node: \_\_\_\_\_

Please complete in full, either typed or printed clearly.

## SECTION A - GENERAL INFORMATION

A1. Company name: K. I. I.

A2. Division name: TAR PRODUCTS

A3. Address of the facility: 7540 NW SAINT HELENE RD.

PORTLAND, OR 97210-3663

A4. Mailing address: SAME

A5. Representative completing this form:

Name AMOS S. KAMERER

Title PLANT MANAGER

Telephone 286-3681 FAX 285-2831

A6. Brief description of business-principal products and services:

A TERMINAL FACILITY FOR COAL TAR BASED PRODUCTS AS FOLLOWS:  
PENCIL PITCH, LIQUID PITCH, CREOSOTE, CREOSOTE DISTILLATES AND REFINED COAL TARS.

A7. Is the building presently connected to public sewer system? ☒ Yes ☐ No  
If no, have you applied for a sewer connection? ☐ Yes ☐ No

Estimated date of connection \_\_\_\_\_

A8. Standard Industrial Classification Number(s) (SIC Code if known):

2865

Business License No.: 398554

A9. Do you or will you discharge oils, grease, or fats to the public sewer? ☐ Yes ☐ No

A10. Place a check for device used:

a. Oil and water separator N/A ☐ Yes ☐ No

b. Grease trap N/A ☐ Yes ☐ No

c. Sand/sediment trap N/A ☐ Yes ☐ No

A11. What is your normal frequency of cleaning the oil and grease trap? Where do you dispose of trapped oil and grease?

N/A

A12. Do you or will you have chemical storage containers, bins, or ponds at your facility? ☒ Yes ☐ No  
Do you have any underground storage tank(s) ☐ Yes ☒ No

A13. Have you been issued a local, state, or federal environmental permit? ☒ Yes ☐ No  
If yes, please list the types of permit(s): NPDES #101003, FACILITY # 47430

A14. Do you or will you have floor drains in your manufacturing or storage area? ☐ Yes ☒ No  
If you have chemical storage containers, bins, or ponds, or floor drains in manufacturing or storage area, could an accidental spill lead to a discharge to an onsite disposal system (e.g., through a floor drain)? ☐ Yes ☒ No  
Public sewer? ☐ Yes ☒ No  
To storm drain? ☐ Yes ☒ No  
To ground? ☒ Yes ☐ No

A15. Do you or will you discharge wastewater (other than domestic waste from bathrooms, toilets, etc.) to an onsite disposal system? ☒ Yes ☐ No  
or storm sewer? ☐ Yes ☒ No

A16. Do you or will you discharge wastewater (other than domestic waste from bathrooms, toilets, etc.) to the public sewer system? ☐ Yes ☒ No

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature\*

A. S. KAMERER

Title

P. M.

Date

11/11/03

Koppers012751

## Environmental Survey Instructions

Instructions for Completing page A1

### Section A—General Information

1. Enter the name or title of your business.
2. Enter the Division Name, if applicable.
- A3. Enter the address of the facility discharging to the City's sewer system.
- A4. Enter mailing address if different than A3.
- A5. Give the name of the person who is thoroughly familiar with the facts reported on this form and who can be contacted by the City staff.
- A6. Give a brief description of the facility. Include products or services.
- A8. Include all numbers that apply to business. Leave blank if not known.
- A13. Types of environmental permits to list include but are not limited to air, hazardous waste, NPDES for discharges to surface waters.
- A16. Process wastewater could be discharged via a direct connection to the City's collection system, or through floor drains.

\*This form should be signed by a responsible corporate officer, a general partner, or by a duly authorized representative. See 40 CFR 403.13(l) for full definition.

Leave Blank: City use only  
Date Received: \_\_\_\_\_

### GENERAL INFORMATION

Complete all applicable sections. Information must be typewritten or clearly printed. Attach requested information as needed. Signing official must have authorization to provide such information on behalf of the company, corporation, or partnership.

1. Company Name/Telephone number: Koppers Industries, Inc./412-227-2001  
Division name: (if applicable) Tar Operations
2. Mailing Address: Street or P.O. Box: 436 Seventh Avenue  
City, State, Zip Code: Pittsburgh, PA 15219-1800
3. Facility Address: (if different from mailing address)  
Street or P.O. Box: 7540 NW St. Helens Road  
City, State, Zip Code: Portland, OR 97210-3663
4. Person to be contacted about this form:  
Name: William E. Swearingen  
Address: Koppers Industries, Inc. - 436 Seventh Avenue  
City, State, Zip Code: Pittsburgh, PA 15219-1800  
Title: Manager: Environmental Programs  
Phone Number: 412-227-2883 FAX - 227-2423
5. Person to be contacted in case of an emergency:  
Name: Amos Kamerer  
Address: Koppers Industries, Inc. - 7540 NW St. Helens Road  
City, State, Zip Code: Portland, OR 97210-3663  
Title: Plant Manager  
Phone Number: 503-286-3681 FAX - 285-2831

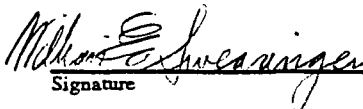
#### Confidentiality

Please indicate those sections of this questionnaire that you wish to remain confidential and your basis for requiring confidentiality.

#### Qualified Professional Certification

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the Federal General Pretreatment Regulations and amendments thereto, and the City's Sewer Use Ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

William E. Swearingen  
Name (print)

 MGR: Env. Programs 7/28/94 412-227-2883  
Signature Title Date Phone

#### Authorized Representative Statement

I certify under penalty of law that I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

Amos Kamerer  
Name (print)

Plant Manager 7/29/94 503-286-3681  
Signature Title Date Phone

## Section 1--Water/Wastewater Data

1. **Water use and distribution**—Estimate the average quantity of water received and wastewater discharged daily (for new businesses, estimate flows).

	Supply From(gal/day)		Discharged To(gal/day)	
	City Water	Other Source	Sanitary Sewer	Other
Water Used for:				
Sanitary	City of Portland/315 GPD		Sanitary Sewer/200 GPD	
Processes (see No. 10 for categorical users)				
Boiler/Cooling Tower	City of Portland/7650 GPD			
Cooling Water Contact				
Washing (equipment washdown)				
Irrigation				
Air Pollution Control				
Surface Water	from rainfall/4000 GPD		NPDES/4000 GPD	
Water Hauler			Willamette River	
Other(Describe)				

Total:

Water Account Number 4640172034 M 0178

- 2 Are, or will, the discharges be continuous [ ] or batch [X]?

3. If batch discharge occurs or will occur, indicate:

- (a) Percent processing as batch None
- (b) Percent processing as continuous None
- (c) Number of batch discharges N/A at                       
(per week) (hours per discharge)
- (d) Average quantity per batch N/A gallons
- (e) Flow rate N/A gallons/minute

- #### 4. Discharge Period

- (a) Hours of Day Operated or planned: M 24 T 24 W 24 Th 24 F 24 Sat 0 Sun 0
- (b) Duration of Discharge (hrs/day): M 24 T 24 W 24 Th 24 F 24 Sat 0 Sun 0

- ## 5. Variation of Operation

Is the business or proposed activity:  
Continuous through the year [X], or  
Seasonal [ ]—Circle the months of the year during which discharge occurs:

J F M A M J J A S O N D

6. **Process flow schematic:** draw appropriate diagram(s) using the form in Attachment A.
7. **Building layout:** Draw layout of building using Attachment B.

Section I--Water/Wastewater Data

8. List existing or proposed plant sewer outlets, size, and flow (assign sequential reference number to each sewer starting with No. 1, see Attachments A and B):

<u>Reference No.</u>	<u>Sewer Size (inches)</u>	<u>Descriptive location of sewer connection or discharge point</u>	<u>Daily Avg. flow (gal/day)</u>
Unknown	8	Connect to 36" main	200
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

9. General characteristic of wastewater or proposed wastewater discharge: (provide specific values for a. b. d. e. f. if known)

- (a) Temperature: \_\_\_\_\_ Don't know X  
 (b) pH level: \_\_\_\_\_ Don't know X  
 (c) Flammable or explosive materials: Yes [ ] No [X] Don't know [ ]  
 (d) Fats, oils, and grease (mg/L): \_\_\_\_\_ Don't know [X]  
 (e) 800 (mg/L): \_\_\_\_\_ Don't know [X]  
 (f) TSS (mg/L): \_\_\_\_\_ Don't know [X]  
 (g) Solid or viscous material Yes [ ] No [ ] Don't know [X]  
 (h) Toxics: Yes [ ] No [ ] Don't know [X] \*\*\* REVIEW ENVIRONMENTAL SURVEY B ATTACHMENT "A".  
 (i) Solvents: Yes [ ] No [X] Don't know [ ]

10. For categorical facilities, provide the following flows for each of your regulated processes or proposed regulated process (i.e., manufacturing process line covered by categorical pretreatment standards).

- (a) Total Plant Flow in Gallons Per Day (gpd) discharged to the sewer system:

Average None Maximum None

- (b) Individual Process Flows in Gallons Per Day (gpd):

<u>No.</u>	<u>Regulated Process</u>	<u>Average flowrate (gpd)</u>	<u>Maximum flowrate (gpd)</u>	<u>Type of Discharge (batch, continuous, none)</u>
_____	<u>Not applicable</u>	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

11. Is an inspection and sampling manhole structure available onsite? Yes [ ] No [X]

- If yes, provide location below and include as part of the process flow schematic (see Attachment O).
- Location description:
- If no, is one planned? Yes [ ] No [X]

12. Do you or plan to have automatic sampling equipment or continuous wastewater flow metering equipment currently in use or included in future plans?

Current: Sampling Equipment Yes [ ] No [ ] N/A [X] Flow Metering Yes [ ] No [ ] N/A [X]  
 Planned: Sampling Equipment Yes [ ] No [ ] N/A [X] Flow Metering Yes [ ] No [ ] N/A [X]

If so, please indicate the present or future location of this equipment on the sewer schematic and describe the equipment below:

13. Does your facility pretreat or plan on pretreating any wastewater prior to discharge to a sanitary sewer?

Yes [ ] No [X] N/A [ ]

Section II-Business/Facility Description

PURPOSE—The business description is primarily used to determine the substances which may enter into the wastewater discharge from the business activity.

1. Business activity—(Complete a separate sheet for each major or proposed business activity or product line on premises.)

Activity: Melting & Blending SIC Nos.: 2865

- (a) Raw materials used or planned for use:

Coal Tar Products

- (b) Chemicals used or planned for use:

Coal Tar Products

- (c) Product (new businesses provide best estimates):

<u>Type of Product</u> <u>(Brand Names)</u>	<u>Past Calendar Year</u>		<u>Estimate This Calendar Year</u>	
	<u>Amounts Per Day (Daily Units)</u>		<u>Amounts Per Day (Daily Units)</u>	
	<u>Average</u>	<u>Maximum</u>	<u>Average</u>	<u>Maximum</u>
Creosote	5000 Gal.	15000 Gal.	1500 Gal	15000 Gal.
Pitch	90 Tons	270 Tons	90 Tons	270 Tons

- (d) Description—Describe each wastewater generating or proposed operations or manufacturing process. Indicate variations in production and operations during the year. (Use additional sheets as necessary.)

No process wastewater generated

- (e) Substances Discharged—Give common and technical names of each major raw material and product that may be discharged to the sewer. Briefly describe the physical and chemical properties of each substance and products. (use additional sheets if necessary.)

NAME

DESCRIPTION

No process wastewater is discharged

PART B: CATEGORICAL USERS

Section III--Permit Application Monitoring

1. Summarize Each Regulated Process:

Process Description	Production Rate	Pretreatment Standard Category	Subpart	Flow
Blending	N/A	414	G	None
Melting	N/A	414	C	None

Total plant flow: None

2. Nature and Concentration of Pollutants (report concentrations in mg/L or mass in lbs):

a. Analysis of Regulated Flows

The industrial user must perform sampling and analysis of the effluent from all regulated process (after treatment, if applicable). Provide the analytical data for the regulated processes in the space provided below. Attach additional sheets if necessary (simply xerox the table and questions below). Only those pollutants specifically regulated by the applicable category need be reported. Refer to backside for further instructions on where to take samples and how many samples to take. If the effluent samples were taken at one combined point, indicate alongside the regulated process line what process flows are commingled at this point.

Regulated Process line(s): None

Process Flow(s) (Daily ave. in mgd): None

ANALYTICAL RESULTS OF PROCESS WASTEWATER DISCHARGES

Pollutant: None

Monthly Avg. Limit: Not applicable

Reported Average

Daily Max. Limit

Reported Maximum

b. Sample type (grab, composite): \_\_\_\_\_

c. Number of samples collected (explain): \_\_\_\_\_

d. Dates and times samples collected: \_\_\_\_\_

e. Sample collection location: \_\_\_\_\_

f. Where samples analyzed: \_\_\_\_\_

g. Methods of analyses: \_\_\_\_\_

h. Provide name and address of commercial labs performing analyses:

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Section III—Permit Application Monitoring

**PART B: CATEGORICAL USERS**

4. Total Toxic Organics (TTOs): Not applicable

Facilities who use toxic organics listed by EPA in its published categorical pretreatment standards are required to meet TTO pretreatment standards and must initially sample for TTO and determine compliance. Facilities found to be in compliance with TTO standards can develop a solvent management plan in lieu of having to periodically sample for toxic organics. If you do not use toxic organics in your manufacturing process, you will not be required to sample for TTO but you must answer question "A" below.

- (a) We presently do not or plan to use any of the toxic organics that are listed under the TTO standard located in the applicable categorical pretreatment standards published by EPA. ☐
- (b) We presently use or plan to use organic toxicants listed in the categorical pretreatment standards. ☐ Complete Parts c and d.
- (c) A PAMF has previously been submitted which contains TTO information.  
Yes ☐ No ☐
- (d) A solvent management plan has been developed and is attached.  
Yes ☐ No ☐

5. Compliance Certification Not applicable

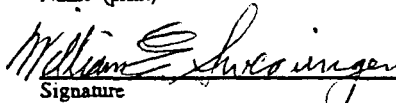
- (a) Is the facility meeting applicable categorical pretreatment standards on a consistent basis?  
Yes ☐ No ☐
- (b) If no, do you require:
  - (1) Additional operation and maintenance (O&M) to achieve compliance? Yes ☐ No ☐
  - (2) New or additional pretreatment facilities to achieve compliance? Yes ☐ No ☐
- (c) If additional O&M or new or additional pretreatment will be required to meet categorical pretreatment standards on a consistent basis, attach a description of it and a schedule on separate sheets. Project increments of progress indicating dates for the commencement and completion of major events leading to compliance with the standard. Note: The final compliance date in this schedule shall not be later than the compliance date for the applicable pretreatment standard. Written progress reports are required within 14 days of each of the compliance dates specified in the compliance schedule.
- (d) ☐ I have provided a compliance schedule.

Qualified Professional Certification:

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

William E. Swearingen

Name (print)

	Mgr., Env. Program	8/5/94	412-227-2883
Signature	Title	Date	Phone

Authorized Representative Statement:

I certify under penalty of law that I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

Amos Kamerer

Name (print)

	Plant Manager	8/8/94	503-286-3681
Signature	Title	Date	Phone



ATTACHMENT B.BUILDING LAYOUT

Draw to scale the location of each building on the premises. Show location of all water meters (current and planned), storm drains, numbered unit processes (from process schematic(s)), community sewers and each side sewer connected to the community sewers, automatic sampling equipment (current and planned), location of pretreatment processes, treated flows and untreated flows, name and location of pertinent streets. Use flow schematic to indicate process and process discharge in gpd. Number each side sewer and show possible sampling locations (sampling manhole).

An attached blueprint or drawing of the facilities showing the above items may be substituted for a drawing on this sheet. See example on the back.

**SEE ATTACHED  
DRAWING  
L-7106-15**



CITY OF

**PORTLAND, OREGON**

BUREAU OF ENVIRONMENTAL SERVICES

**Environmental Survey****SECTION B - DETAILED WASTEWATER INFORMATION**Company Name KOPPERS INDUSTRIES, INC.Facility Address 7540 NW ST HELENS ROADPORTLAND, OR 97210

- B1. Please describe processes to be used in your facility that will result or may result in wastewater discharge to the public sewer system.  
NO PROCESS WASTEWATER IS GENERATED AT THIS FACILITY. STORMWATER IS COLLECTED AND DISCHARGED TO NPDES OUTFALL. DOMESTIC SEWAGE ONLY TO CITY OF PORTLAND.

- B2. This facility generates or will generate the following types of wastes (check all that apply):

	Average gallons per day	Peak gallons per day
<input checked="" type="checkbox"/> Domestic wastes (restrooms, employee showers, etc., Estimate 35 gallons per day for each employee)	<u>200</u>	<u>350</u>
<input type="checkbox"/> Cooling water, noncontact	<u>          </u>	<u>          </u>
<input type="checkbox"/> Boiler/Tower blowdown	<u>          </u>	<u>          </u>
<input type="checkbox"/> Cooling water, contact	<u>          </u>	<u>          </u>
<input type="checkbox"/> Process	<u>          </u>	<u>          </u>
<input type="checkbox"/> Equipment/Facility Washdown	<u>          </u>	<u>          </u>
<input type="checkbox"/> Air Pollution Control Unit	<u>          </u>	<u>          </u>
<input type="checkbox"/> Stormwater runoff to sewer	<u>          </u>	<u>          </u>
<input type="checkbox"/> Other (describe)	<u>          </u>	<u>          </u>
<input type="checkbox"/> Cleanup	<u>          </u>	<u>          </u>
Total	<u>200</u>	<u>350</u>

Time and Duration of Discharge: 24 HOURS--BATCH--4 TO 5 DAYS PER WEEKCleanup Time: VARIABLE

- B3. Products Produced: (Attach additional sheets as necessary)

Type	Amount and Rate of Production	Process
<u>MIXTURES</u>	<u>                                </u>	<u>MIXING &amp; MELTING</u>
<u>          </u>	<u>                                </u>	<u>                                </u>
<u>          </u>	<u>                                </u>	<u>                                </u>

- B4. Water supplied from: (Best estimate if not metered)  
(City, Well, etc.)

Water Source(s)	Water Acct No.	Water Quantities*	
		Estimated	Meter
a. <u>CITY</u>	<u>4640172034</u>	<u>          </u>	<u>29</u> gal/day
b. <u>          </u>	<u>          </u>	<u>          </u>	<u>          </u> gal/day
c. <u>          </u>	<u>          </u>	<u>          </u>	<u>          </u> gal/day

\*1 ccf = 748 gallons

Total

B5. Wastes are discharged or may be discharged to:	Average gallons per day	Peak gallons per day
(check all that apply)		
<input checked="" type="checkbox"/> Sanitary sewer	<u>200</u>	<u>350</u>
<input type="checkbox"/> Storm sewer	<u>          </u>	<u>          </u>
<input checked="" type="checkbox"/> Surface water NPDES	<u>4000</u>	<u>6000</u>
<input type="checkbox"/> Groundwater (onsite disposal)	<u>          </u>	<u>          </u>
<input type="checkbox"/> Waste haulers	<u>          </u>	<u>          </u>
<input type="checkbox"/> Other (describe)	<u>          </u>	<u>          </u>
Total	<u>4200</u>	<u>6350</u>

Are the discharges batch ☒? continuous ☐?

B6. Are any liquid wastes or sludges from this firm disposed of by means other than discharge to the sewer system?

☐ Yes ☒ No If "no," skip Items B7 and B8; If "yes," complete items B7 and B8.

B7. These wastes may best be described as:

Item No.	Estimated gallons or pounds per year
<input type="checkbox"/> Acids	_____
<input type="checkbox"/> Alkalies	_____
<input type="checkbox"/> Heavy metal sludges	_____
<input type="checkbox"/> Inks/dyes	_____
<input type="checkbox"/> Oil and/or grease	_____
<input type="checkbox"/> Organic compounds	_____
<input type="checkbox"/> Paints	_____
<input type="checkbox"/> Pesticides	_____
<input type="checkbox"/> Plating wastes	_____
<input type="checkbox"/> Pretreatment sludges	_____
<input type="checkbox"/> Solvents/thinners	_____
<input type="checkbox"/> Other hazardous wastes (specify)	_____
_____	_____
_____	_____
<input type="checkbox"/> Other wastes (specify)	_____
_____	_____
_____	_____

B8. For the above checked wastes, does your company practice:

☐ Onsite storage  
location \_\_\_\_\_

☐ Offsite storage  
hauler's name \_\_\_\_\_  
address \_\_\_\_\_  
hauler's DEQ permit # \_\_\_\_\_  
phone number \_\_\_\_\_

☐ Onsite disposal

☐ Offsite disposal  
hauler's name \_\_\_\_\_  
address \_\_\_\_\_  
hauler's DEQ permit # \_\_\_\_\_  
phone number \_\_\_\_\_

Describe the method(s) of storage or disposal checked above.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Do you have an EPA or DEQ permit for storage or hauling? ☐ Yes ☐ No If yes, attach a copy of the permit.

B9. List all principal materials regularly used in your facility that may be present in your wastewater discharge (such as cleaning agents, solvents, food processing waste, plating solutions, catalysts, milk wastes, ink, etc.). Identify chemical constituents, if known, or brand name. Attach material safety data sheets.

Generic Type	Amount Per Year	Discharged to		Spill Potential		Chemical Constituents or Brand Name
		Storm	Sanitary	Storm	Sanitary	
a. Example: Degreaser	3 gallons			X		Trichloroethylene
b.	SEE THE ATTACHED FIRE MARSHALL'S SURVEY FOR 1993					
c.						
d.						
e.						
f.						
g.						
h.						
i.						
j.						
k.						

(Attach additional sheets if necessary)

B10. Have you listed with the Fire Bureau the onsite storage of flammable or combustible liquids or solids, hazardous chemicals, or radioactive materials?  
☒ Yes ☐ No

If yes, list materials, if any, and their scientific or common and brand names and what quantities are being stored (use extra sheets if needed or attach a copy of Fire Bureau list).

S-Scientific/C-Common	Brand Name	Lbs or Gallons
a.	SEE THE ATTACHED FIRE MARSHALL'S SURVEY FOR 1993	
b.		
c.		
d.		

B11. Do you have an accidental spill prevention program for the facility? ☒ Yes ☐ No Emergency response plan? ☒ Yes ☐ No  
 If yes, attach plans.

B12. Characteristics of Wastewater:

- a. Temperature \_\_\_\_\_ Don't know ☐
  - b. pH level \_\_\_\_\_ Don't know ☐
  - c. Flammable or explosive materials Yes ☐ No ☒ Don't know ☐
  - d. Solid or viscous materials Yes ☐ No ☒ Don't know ☐
  - e. Priority pollutants Yes ☐ No ☐ Don't know ☐ If yes, complete Attachment A.
- (See Attachment A for the priority pollutants list.)

B13. Attach any wastewater analysis that has been performed on the wastewater discharge(s) from your facilities in the last year. Attach a copy of the most recent lab data to this questionnaire. Be sure to include the date of the analysis, name of laboratory performing the analysis, and location(s) from which sample(s) were taken (attach sketches, plans, etc., as necessary).

B14. If your facility uses processes in any of the industrial categories or business activities listed below and any of these processes generate or cogenerate wastewater or waste sludge, place a check beside the category or business activity (check all that apply).

a. Industrial Categories

EPA

Category Code	Category
467 [ ]	Aluminum forming
461 [ ]	Battery manufacturing
434 [ ]	Coal mining
465 [ ]	Coil coating
468 [ ]	Copper forming
469 [ ]	Electric & electronic components
413 [ ]	Electroplating (If checked, please complete Attachment B)
415 [ ]	Inorganic chemicals
420 [ ]	Iron & steel
425 [ ]	Leather tanning & finishing
433 [ ]	Metal Finishing (If checked, please complete Attachment B)
464 [ ]	Metal molding & casting (Foundries)
471 [ ]	Nonferrous metals forming
421 [ ]	Nonferrous metals manufacturing
414 & 416 [ ]	Organic chemicals, plastics, & synthetic fibers
455 [ ]	Pesticides
419 [ ]	Petroleum refining
439 [ ]	Pharmaceuticals
463 [ ]	Plastics processing
466 [ ]	Porcelain enamel
430 & 431 [ ]	Pulp, paper, and fiberboard
428 [ ]	Rubber
423 [ ]	Steam electric
410 [ ]	Textile mills
429 [ ]	Timber products (wood preserving)

b. Other Business Activity

[ ]	Adhesives
[ ]	Analytical laboratories
[ ]	Auto laundries
[ ]	Beverage bottler
[ ]	Can making
405 [ ]	Dairy products
[ ]	Dry Cleaners
457 [ ]	Explosives manufacturing
[ ]	Food/edible products processor
[ ]	Gas stations
454 [ ]	Gum & wood chemicals
[ ]	Health services
460 [ ]	Hospital
[ ]	Laundries
[ ]	Machine shops
[ ]	Mechanical products
440 [ ]	Ore mining
446 & 447 [ ]	Paint & ink
459 [ ]	Photographic supplies
[ ]	Printing & publishing
[ ]	Radiator Shops
[ ]	Slaughter/meat packing/rendering
417 [ ]	Soaps & detergents
[ ]	Used oil reclaimers
[ ]	Waste recycler
[ ]	Other _____

B15. Attach a simple schematic drawing(s) of your facility, indicating: (Drawings should be 11 x 17, or smaller)

- a. Location and size of all service outlets, process drains, floor drains
- b. Existing sampling manholes or locations where samples may be collected
- c. Current or planned flow metering equipment
- d. Current or planned automatic sampling equipment
- e. Location of pretreatment processes, treated flows, and untreated flows
- f. Location and name of pertinent streets
- g. Flow schematic to indicate process and process discharge in gpd
- h. Chemical storage location
- i. Storm drain location, if known

SEE ATTACHED FLOW CHART

B16. Pretreatment devices or processes used for treating wastewater or sludge (check as many as appropriate).

- ☐ Air flotation
- ☐ Carbon filtration
- ☐ Centrifuge
- ☐ Chemical precipitation
- ☐ Chlorination
- ☐ Cyclone
- ☐ Evaporation
- ☐ Filtration
- ☐ Filtration, Multi-media
- ☐ Filtration, Rotary
- ☐ Filtration, Sand
- ☐ Flow equalization
- ☐ Grease or oil separation, type \_\_\_\_\_
- ☐ Grease trap
- ☐ Grinding filter
- ☐ Grit removal
- ☐ Ion exchange
- ☐ Neutralization, pH correction
- ☐ Ozonation
- ☐ Reverse osmosis
- ☐ Screen
- ☐ Sedimentation
- ☐ Septic tank
- ☐ Solvent separation
- ☐ Spill protection
- ☐ Sump
- ☐ Biological treatment, type \_\_\_\_\_
- ☐ Rainwater diversion or storage \_\_\_\_\_
- ☐ Other chemical treatment, type \_\_\_\_\_
- ☐ Other physical treatment, type \_\_\_\_\_
- ☐ Other, type \_\_\_\_\_
- ☐ No pretreatment provided

B17. Is additional pretreatment required? ☒ Yes ☐ No ☐ Don't know If yes, describe necessary pretreatment.

B18. Is industry in compliance with City industrial pretreatment ordinance? ☒ Yes ☐ No ☐ Don't Know  
See ordinance.

B19. Is industry in compliance with Federal Categorical standards? ☒ Yes ☐ No ☐ Don't Know

B20. Are any process changes or expansions planned during the next three years? ☐ Yes ☒ No  
If yes, attach a separate sheet to this form describing the nature of planned changes or expansions.

B21. Please describe any previous spill events and remedial measures taken to prevent their reoccurrence:

OCCASIONAL SPILLAGE OF MATERIALS FROM LOADING AND UNLOADING OPERATIONS. PAVING AND  
DIKING ADEQUATE TO CONTAIN MATERIALS. MOST MATERIALS CLEANED UP AND RECYCLED BACK  
TO PRODUCT. ANY SOLID WASTE IS DISPOSED OF IN APPROPRIATE MANNER.

B22. Comments: THIS FACILITY DOES NOT PRODUCE PROCESS WASTEWATER. STORMWATER IS DISCHARGED  
THROUGH REGULATED OUTFALL INTO WILLAMETTE RIVER IN COMPLIANCE WITH NPDES PERMIT  
#101003. ONLY SANITARY WASTE IS DISCHARGED TO SEWER TO CITY OF PORTLAND.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature\*

Title PLANT MANAGER

Date

9/8/94

\*This form should be signed by a responsible corporate officer, a general partner, or by a duly authorized representative. See 40 CFR 403.12(i) for full definition.

Attachment A  
PRIORITY POLLUTANT INFORMATION

1. Please indicate by placing an "X" in the appropriate space by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names. Please refer to the Priority Pollutant Synonym Listing for those compounds which have an asterisk (\*).

Item No.	CASRN	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present
1	7664417	ammonia				
2	1332214	asbestos (fibrous)				
3	57125	cyanide (total)				
4	7440360	antimony (total)				
5	7440382	arsenic (total)				
6	7440417	beryllium (total)				
7	7440439	cadmium (total)				
8	7440473	chromium (total)				
9	7440508	copper (total)				
10	7439921	lead (total)				
11	7439976	mercury (total)				
12	7440020	nickel (total)				
13	7782492	selenium (total)				
14	7440224	silver (total)				
15	7440280	thallium (total)				
16	7440666	zinc (total)				
17	83329	acenaphthene				
18	208968	acenaphthylene				
19	107028	acrolein				
20	107131	acrylonitrile				
21	309002	aldrin				
22	120127	anthracene				
23	71432	benzene				
24	92875	benzidine				
25	56553	benzo(a)anthracene*				
26	50328	benzo(a)pyrene*				
27	205992	benzo(b)fluoranthene				
28	191242	benzo(g,h,i)perylene*				
29	207089	benzo(k)fluoranthene*				
30	319846	a-BHC(alpha)				
31	319857	b-BHC(beta)				
32	319868	d-BHC(delta)				
33	58899	g-BHC*(gamma)				
34	111444	bis(2-chloroethyl)ether*				
35	111911	bis(2-chloroethoxy)methane*				
36	108601	bis(2-chloroisopropyl)ether*				
37	542881	bis(chloromethyl)ether*				



## Attachment A (Continued)

Item No.	CASRN	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present
79		1,6-dinitro-2-methylphenol*				
80	51285	2,4-dinitrophenol				
81	121142	2,4-dinitrotoluene				
82	606202	2,6-dinitrotoluene				
83	122667	1,2-diphenylhydrazine*				
84	959988	endosulfan I*				
85	33213659	endosulfan II*				
86	1031078	endosulfan sulfate				
87	72208	endrin				
88	7421934	endrin aldehyde				
89	100414	ethylbenzene				
90	206440	fluoranthene				
91	86737	fluorene*				
92	76448	heptachlor				
93	1024573	heptachlor epoxide				
94	118741	hexachlorobenzene*				
95	87683	hexachlorobutadiene				
96	77474	hexachlorocyclopentadiene*				
97	67721	hexachloroethane*				
98	193395	indeno (1,2,3-cd)pyrene*				
99	78591	isophorone*				
100	74873	methylene chloride*				
101	91203	naphthalene				
102	98953	nitrobenzene				
103	88755	2-nitrophenol*				
104	100027	4-nitrophenol*				
105	62759	n-nitrosodimethylamine*				
106	621647	n-nitrosodipropylamine*				
107	86306	n-nitrosodiphenylamine*				
108	12674112	PCB-1016*				
109	11104282	PCB-1221*				
110	11141165	PCB-1232*				
111	53469219	PCB-1242*				
112	12672296	PCB-1248*				
113	11097691	PCB-1254*				
114	11096825	PCB-1260*				
115	87865	pentachlorophenol				
116	85018	phenanthrene				
117	108952	phenol				
118	129000	pyrene				
119	1746016	2,3,7,8-tetrachlorodibenzo-p-dioxin*				

CITY OF  
PORTLAND, OREGON

BUREAU OF ENVIRONMENTAL SERVICES

## Environmental Survey

## SECTION B - DETAILED WASTEWATER INFORMATION

Company Name KOPPERS INDUSTRIES, INC  
Facility Address 7540 N.W. ST. HELENS RD.  
PORTLAND OR 97224-10

B1. Please describe processes to be used in your facility that will result or may result in wastewater discharge to the public sewer system.

NO PROCESS WASTEWATER IS GENERATED AT THIS FACILITYSTORMWATER COLLECTED AND DISCHARGED TO NPDES OUTFALLB2. This facility generates or will generate the following types of wastes (check all that apply):  
DOMESTIC SEWAGE ONLY TO CITY OF PORTLAND

	Average gallons per day	Peak gallons per day
<input checked="" type="checkbox"/> Domestic wastes (restrooms, employee showers, etc., Estimate 35 gallons per day for each employee)	<u>200</u>	<u>350</u>
<input type="checkbox"/> Cooling water, noncontact	<u>0</u>	<u>0</u>
<input type="checkbox"/> Boiler/Tower blowdown	<u>0</u>	<u>0</u>
<input type="checkbox"/> Cooling water, contact	<u>0</u>	<u>0</u>
<input type="checkbox"/> Process	<u>0</u>	<u>0</u>
<input type="checkbox"/> Equipment/Facility Washdown	<u>0</u>	<u>0</u>
<input type="checkbox"/> Air Pollution Control Unit	<u>0</u>	<u>0</u>
<input type="checkbox"/> Stormwater runoff to sewer	<u>0</u>	<u>0</u>
<input type="checkbox"/> Other (describe)	<u>0</u>	<u>0</u>
<input type="checkbox"/> Cleanup	<u>0</u>	<u>0</u>
Total	<u>200</u>	<u>350</u>

Time and Duration of Discharge:

Cleanup Time:

24 hours - batch - 4 to 5 days per week!  
Variable

B3. Products Produced: (Attach additional sheets as necessary)

Type	Amount and Rate of Production	Process
<u>Mixtures</u>		<u>Mixing &amp; Melting</u>

B4. Water supplied from: (Best estimate if not metered)  
(City, Well, etc.)

Water Source(s)	Water Acct No.	Water Quantities*	
		Estimated	Meiter
a. <u>CITY</u>	<u>4640172034</u>		<u>29</u> gal/day
b. _____			gal/day
c. _____			gal/day

\*1 ccf = 748 gallons

Total

Amos, get these numbers from the water bills!

B5. Wastes are discharged or may be discharged to: (check all that apply)

	Average gallons per day	Peak gallons per day
<input checked="" type="checkbox"/> Sanitary sewer	<u>200</u>	<u>350</u>
<input type="checkbox"/> Storm sewer		
<input checked="" type="checkbox"/> Surface water <u>NPDES</u>	<u>4000</u>	<u>6000</u>
<input type="checkbox"/> Groundwater (onsite disposal)		
<input type="checkbox"/> Waste haulers		
<input type="checkbox"/> Other (describe)		
Total	<u>4200</u>	<u>6350</u>

Are the discharges batch ☒ continuous ☐ ?Amos - See enclosed flow data sheet from 1992. This is for your backup info! It should not be sent in with application

B6. Are any liquid wastes or sludges from this firm disposed of by means other than discharge to the sewer system?  
☐ Yes ☒ No If "no," skip Items B7 and B8. If "yes," complete items B7 and B8.

B7. These wastes may best be described as:

Item No.	Estimated gallons or pounds per year
<input type="checkbox"/> Acids	
<input type="checkbox"/> Alkalies	
<input type="checkbox"/> Heavy metal sludges	
<input type="checkbox"/> Inks/dyes	
<input type="checkbox"/> Oil and/or grease	
<input type="checkbox"/> Organic compounds	
<input type="checkbox"/> Paints	
<input type="checkbox"/> Pesticides	
<input type="checkbox"/> Plating wastes	
<input type="checkbox"/> Pretreatment sludges	
<input type="checkbox"/> Solvents/thinners	
<input type="checkbox"/> Other hazardous wastes (specify)	
<input type="checkbox"/> Other wastes (specify)	

- Skip

B8. For the above checked wastes, does your company practice:

<input type="checkbox"/> Onsite storage	
location	
<input type="checkbox"/> Offsite storage	
hauler's name	
address	
hauler's DEQ permit #	
phone number	
<input type="checkbox"/> Onsite disposal	
<input type="checkbox"/> Offsite disposal	
hauler's name	
address	
hauler's DEQ permit #	
phone number	

- Skip

Describe the method(s) of storage or disposal checked above.

---



---



---

Do you have an EPA or DEQ permit for storage or hauling? ☐ Yes ☐ No If yes, attach a copy of the permit.

B9. List all principal materials regularly used in your facility that may be present in your wastewater discharge (such as cleaning agents, solvents, food processing waste, plating solutions, catalysts, milk wastes, ink, etc.). Identify chemical constituents, if known, or brand name. Attach material safety data sheets.

*Amos - complete*

Generic Type	Amount Per Year	Discharged to		Spill Potential		Chemical Constituents or Brand Name
		Storm	Sanitary	Storm	Sanitary	
a. Example: Degreaser	3 gallons			X		Trichloroethylene
b. <i>Grease</i>	?					PAH's - Complex mixture
c. <i>Pitches</i>	?					PAH's - Complex mixture
d. ?	?					100% Aromatic
e. ?	?					organic compounds
f.						
g.						
h.						
i.						
j.						
k.						

(Attach additional sheets if necessary)

B10. Have you listed with the Fire Bureau the onsite storage of flammable or combustible liquids or solids, hazardous chemicals, or radioactive materials?  
☒ Yes ☐ No

If yes, list materials, if any, and their scientific or common and brand names and what quantities are being stored (use extra sheets if needed or attach a copy of Fire Bureau list)

S-Scientific/C-Common	Brand Name	Lbs or Gallons
a.		
b.		
c.		
d.		

*Amos - attach the listing*

B11. Do you have an accidental spill prevention program for the facility? ☒ Yes ☐ No Emergency response plan? ☒ Yes ☐ No  
 If yes, attach plans.

B12. Characteristics of Wastewater:

- a. Temperature \_\_\_\_\_ Don't know ☐  
 b. pH level \_\_\_\_\_ Don't know ☐  
 c. Flammable or explosive materials Yes ☐ No ☒ Don't know ☐  
 d. Solid or viscous materials Yes ☐ No ☒ Don't know ☐  
 e. Priority pollutants Yes ☐ No ☐ Don't know ☐ If yes, complete Attachment A.  
 (See Attachment A for the priority pollutants list.)

*Amos - attach plans*

B13. Attach any wastewater analysis that has been performed on the wastewater discharge(s) from your facilities in the last year. Attach a copy of the most recent lab data to this questionnaire. Be sure to include the date of the analysis, name of laboratory performing the analysis, and location(s) from which sample(s) were taken (attach sketches, plans, etc., as necessary).

B14. If your facility uses processes in any of the industrial categories or business activities listed below and any of these processes generate or cogenerate wastewater or waste sludge, place a check beside the category or business activity (check all that apply).

## a. Industrial Categories

EPA

Category

Code

Category

- |           |                          |  |
|-----------|--------------------------|--|
| 467       | <input type="checkbox"/> | Aluminum forming   |
| 461       | <input type="checkbox"/> | Battery manufacturing                                      |
| 434       | <input type="checkbox"/> | Coal mining  |
| 465       | <input type="checkbox"/> | Coil coating   |
| 468       | <input type="checkbox"/> | Copper forming   |
| 469       | <input type="checkbox"/> | Electric & electronic components                           |
| 413       | <input type="checkbox"/> | Electroplating (If checked, please complete Attachment B)  |
| 415       | <input type="checkbox"/> | Inorganic chemicals  |
| 420       | <input type="checkbox"/> | Iron & steel   |
| 425       | <input type="checkbox"/> | Leather tanning & finishing                                |
| 433       | <input type="checkbox"/> | Metal Finishing (If checked, please complete Attachment B) |
| 464       | <input type="checkbox"/> | Metal molding & casting (Foundries)                        |
| 471       | <input type="checkbox"/> | Nonferrous metals forming                                  |
| 421       | <input type="checkbox"/> | Nonferrous metals manufacturing                            |
| 414 & 416 | <input type="checkbox"/> | Organic chemicals, plastics, & synthetic fibers            |
| 455       | <input type="checkbox"/> | Pesticides   |
| 419       | <input type="checkbox"/> | Petroleum refining   |
| 439       | <input type="checkbox"/> | Pharmaceuticals  |
| 463       | <input type="checkbox"/> | Plastics processing  |
| 466       | <input type="checkbox"/> | Porcelain enamel   |
| 430 & 431 | <input type="checkbox"/> | Pulp, paper, and fiberboard                                |
| 428       | <input type="checkbox"/> | Rubber   |
| 423       | <input type="checkbox"/> | Steam electric   |
| 410       | <input type="checkbox"/> | Textile mills  |
| 429       | <input type="checkbox"/> | Timber products (wood preserving)                          |

## b. Other Business Activity

- |           |                          |                                  |
|-----------|--------------------------|----------------------------------|
|           | <input type="checkbox"/> | Adhesives                        |
|           | <input type="checkbox"/> | Analytical laboratories          |
|           | <input type="checkbox"/> | Auto laundries                   |
|           | <input type="checkbox"/> | Beverage bottler                 |
|           | <input type="checkbox"/> | Can making                       |
| 405       | <input type="checkbox"/> | Dairy products                   |
|           | <input type="checkbox"/> | Dry Cleaners                     |
| 457       | <input type="checkbox"/> | Explosives manufacturing         |
|           | <input type="checkbox"/> | Food/edible products processor   |
|           | <input type="checkbox"/> | Gas stations                     |
| 454       | <input type="checkbox"/> | Gum & wood chemicals             |
|           | <input type="checkbox"/> | Health services                  |
| 460       | <input type="checkbox"/> | Hospital                         |
|           | <input type="checkbox"/> | Laundries                        |
|           | <input type="checkbox"/> | Machine shops                    |
|           | <input type="checkbox"/> | Mechanical products              |
| 440       | <input type="checkbox"/> | Ore mining                       |
| 446 & 447 | <input type="checkbox"/> | Paint & ink                      |
| 459       | <input type="checkbox"/> | Photographic supplies            |
|           | <input type="checkbox"/> | Printing & publishing            |
|           | <input type="checkbox"/> | Radiator Shops                   |
|           | <input type="checkbox"/> | Slaughter/meat packing/rendering |
| 417       | <input type="checkbox"/> | Soaps & detergents               |
|           | <input type="checkbox"/> | Used oil reclaimers              |
|           | <input type="checkbox"/> | Waste recycler                   |
|           | <input type="checkbox"/> | Other _____                      |

Amos, we are  
classified 414 but  
Portland plant does not  
generate process  
wastewater! ———  
only stormwater  
Exp this sheet will  
be ~~left~~ left blank!

B15. Attach a simple schematic drawing(s) of your facility, indicating: (Drawings should be 11 x 17, or smaller)

- a. Location and size of all service outlets, process drains, floor drains
- b. Existing sampling manholes or locations where samples may be collected
- c. Current or planned flow metering equipment
- d. Current or planned automatic sampling equipment
- e. Location of pretreatment processes, treated flows, and untreated flows
- f. Location and name of pertinent streets
- g. Flow schematic to indicate process and process discharge in gpd
- h. Chemical storage location
- i. Storm drain location, if known

*Ames - use the enclosed schematic flow plan*

B16. Pretreatment devices or processes used for treating wastewater or sludge (check as many as appropriate).

- ☐ Air flotation
- ☐ Carbon filtration
- ☐ Centrifuge
- ☐ Chemical precipitation
- ☐ Chlorination
- ☐ Cyclone
- ☐ Evaporation
- ☐ Filtration
- ☐ Filtration, Multi-media
- ☐ Filtration, Rotary
- ☐ Filtration, Sand
- ☐ Flow equalization
- ☐ Grease or oil separation, type \_\_\_\_\_
- ☐ Grease trap
- ☐ Grinding filter
- ☐ Grit removal
- ☐ Ion exchange
- ☐ Neutralization, pH correction
- ☐ Ozonation
- ☐ Reverse osmosis
- ☐ Screen
- ☐ Sedimentation
- ☐ Septic tank
- ☐ Solvent separation
- ☐ Spill protection
- ☐ Sump
- ☐ Biological treatment, type \_\_\_\_\_
- ☐ Rainwater diversion or storage \_\_\_\_\_
- ☐ Other chemical treatment, type \_\_\_\_\_
- ☐ Other physical treatment, type \_\_\_\_\_
- ☐ Other, type \_\_\_\_\_
- ☐ No pretreatment provided

B17. Is additional pretreatment required? ☐ Yes ☐ No ☐ Don't know If yes, describe necessary pretreatment.

B18. Is industry in compliance with City industrial pretreatment ordinance? ☒ Yes ☐ No ☐ Don't Know  
See ordinance.

B19. Is industry in compliance with Federal Categorical standards? ☒ Yes ☐ No ☐ Don't Know

B20. Are any process changes or expansions planned during the next three years? ☐ Yes ☒ No  
If yes, attach a separate sheet to this form describing the nature of planned changes or expansions.

B21. Please describe any previous spill events and remedial measures taken to prevent their recurrence:

*Occasional spillage of materials from loading + unloading operations. Paving and diking adequate to contain materials. Most materials cleaned up and recycled back to product. Any solid waste is disposed of in appropriate manner.*

B22 Comments:

*This facility does not produce process wastewater. Stormwater is discharged through regulated outfall into Willamette River ~~and~~ in compliance with NPDES permit # 101003. Only sanitary waste is discharged to sewer to City of Portland.*

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature\*

*Amos*

Title

Date

\*This form should be signed by a responsible corporate officer, a general partner, or by a duly authorized representative. See 40 CFR 403.12(l) for full definition.



# Environmental Survey

## SECTION B - DETAILED WASTEWATER INFORMATION

Company Name K.I.I.  
Facility Address \_\_\_\_\_

B1. Please describe processes to be used in your facility that will result or may result in wastewater discharge to the public sewer system.

copy

---



---



---



---

B2. This facility generates or will generate the following types of wastes (check all that apply):

	Average gallons per day	Peak gallons per day
<input type="checkbox"/> Domestic wastes (restrooms, employee showers, etc., Estimate 35 gallons per day for each employee)	_____	_____
<input type="checkbox"/> Cooling water, noncontact	_____	_____
<input type="checkbox"/> Boiler/Tower blowdown	_____	_____
<input type="checkbox"/> Cooling water, contact	_____	_____
<input type="checkbox"/> Process	_____	_____
<input type="checkbox"/> Equipment/Facility Washdown	_____	_____
<input type="checkbox"/> Air Pollution Control Unit	_____	_____
<input type="checkbox"/> Stormwater runoff to sewer	_____	_____
<input type="checkbox"/> Other (describe)	_____	_____
<input type="checkbox"/> Cleanup	_____	_____
Total	_____	_____

Time and Duration of Discharge: \_\_\_\_\_

Cleanup Time: \_\_\_\_\_

B3. Products Produced: (Attach additional sheets as necessary)

Type	Amount and Rate of Production	Process
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

B4. Water supplied from: (Best estimate if not metered)  
(City, Well, etc.)

Water Source(s)	Water Acct No.	Water Quantities*	
		Estimated	Meter
a. _____	_____	_____	gal/day
b. _____	_____	_____	gal/day
c. _____	_____	_____	gal/day

\*1 ccf = 748 gallons

Total

B5. Wastes are discharged or may be discharged to: (check all that apply)

	Average gallons per day	Peak gallons per day
<input type="checkbox"/> Sanitary sewer	_____	_____
<input type="checkbox"/> Storm sewer	_____	_____
<input type="checkbox"/> Surface water	_____	_____
<input type="checkbox"/> Groundwater (onsite disposal)	_____	_____
<input type="checkbox"/> Waste haulers	_____	_____
<input type="checkbox"/> Other (describe)	_____	_____
Total	_____	_____

Are the discharges batch ☐? continuous ☐?



Instructions for Completing page B1

B2. Provide the daily average and peak flows of waste generated in gallons per day for the last 12 months. The average flows can be calculated by dividing the total flows (of last 12 months) by the number of days that a discharge of water occurred (or operating day).

- For estimating sanitary flows, use 35 gallons per each employee.

Include the day(s) of the week and duration (length of time) of discharge to the sewer system. Include day(s) of the week and approximate time for normal cleanup activities.

B3. List the types of products, giving the common or brand name. Enter from your records the amounts produced daily for the previous calendar year and the process used.

B4. Provide the water source(s) from which you get your water if there is more than one source, list each source. Provide the water account number. If the source is City water. To convert quantities from your water bill in CCF to gallons per day (gal/day), multiply CCF by 748.

B5. Estimate wastewater discharge quantities.

B6. Are any liquid wastes or sludges from this firm disposed of by means other than discharge to the sewer system?

☐ Yes ☒ No If "no," skip items B7 and B8; If "yes," complete items B7 and B8.

B7. These wastes may best be described as:

Item No.	Estimated gallons or pounds per year
<input type="checkbox"/> Acids	
<input type="checkbox"/> Alkalies	
<input type="checkbox"/> Heavy metal sludges	
<input type="checkbox"/> Inks/dyes	
<input type="checkbox"/> Oil and/or grease	
<input type="checkbox"/> Organic compounds	
<input type="checkbox"/> Paints	
<input type="checkbox"/> Pesticides	
<input type="checkbox"/> Plating wastes	
<input type="checkbox"/> Pretreatment sludges	
<input type="checkbox"/> Solvents/thinners	
<input type="checkbox"/> Other hazardous wastes (specify)	
<input type="checkbox"/> Other wastes (specify)	

B8. For the above checked wastes, does your company practice:

☐ Onsite storage  
location \_\_\_\_\_

☐ Offsite storage  
hauler's name \_\_\_\_\_  
address \_\_\_\_\_  
hauler's DEQ permit # \_\_\_\_\_  
phone number \_\_\_\_\_

☐ Onsite disposal

☐ Offsite disposal  
hauler's name \_\_\_\_\_  
address \_\_\_\_\_  
hauler's DEQ permit # \_\_\_\_\_  
phone number \_\_\_\_\_

Describe the method(s) of storage or disposal checked above.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Do you have an EPA or DEQ permit for storage or hauling? ☐ Yes ☐ No If yes, attach a copy of the permit.

Instructions for Completing page B2

B6. Answer yes or no.

B7. If the answer to B6 is yes, describe the types of wastes.

B8. If the answer to B6 is no, describe your storage and disposal practices for these wastes. An onsite disposal system could be a septic system, lagoon, holding ponds (evaporative-type).

- A batch discharge is one which results from the draining of storage tanks or process tanks; intermittent boiler blowdown, etc.

B9. List all principal materials regularly used in your facility that may be present in your wastewater discharge (such as cleaning agents, solvents, food processing waste, plating solutions, catalysts, milk wastes, ink, etc.). Identify chemical constituents, if known, or brand name. Attach material safety data sheets.

Generic Type	Amount Per Year	Discharged to		Spill Potential		Chemical Constituents or Brand Name
		Storm	Sanitary	Storm	Sanitary	
a. Example: Degreaser	3 gallons			X		Trichloroethylene
b. <u>Grease</u>	<u>see the attached fire marshal's survey for 1993</u>					
c. <u>COAL TARS (liquid)</u>						
d. <u>Sludge (solid)</u>						
e. <u>Refrigerants</u>						
f.						
g.						
h.						
i.						
j.						
k.						

(Attach additional sheets if necessary)

B10. Have you listed with the Fire Bureau the onsite storage of flammable or combustible liquids or solids, hazardous chemicals, or radioactive materials?  
☒ Yes ☐ No

If yes, list materials, if any, and their scientific or common and brand names and what quantities are being stored (use extra sheets if needed or attach a copy of Fire Bureau list).

S-Scientific/C-Common	Brand Name	Lbs or Gallons
a. <u>see the attached fire marshal's survey for 1993</u>		
b.		
c.		
d.		

B11. Do you have an accidental spill prevention program for the facility? ☒ Yes ☐ No Emergency response plan? ☒ Yes ☐ No  
 If yes, attach plans.

B12. Characteristics of Wastewater:

- a. Temperature            Don't know ☐  
 b. pH level            Don't know ☐  
 c. Flammable or explosive materials Yes ☐ No ☒ Don't know ☐  
 d. Solid or viscous materials Yes ☐ No ☒ Don't know ☐  
 e. Priority pollutants Yes ☐ No ☐ Don't know ☐ If yes, complete Attachment A.  
 (See Attachment A for the priority pollutants list.)

B13. Attach any wastewater analysis that has been performed on the wastewater discharge(s) from your facilities in the last year. Attach a copy of the most recent lab data to this questionnaire. Be sure to include the date of the analysis, name of laboratory performing the analysis, and location(s) from which sample(s) were taken (attach sketches, plans, etc., as necessary).

Instructions for Completing page B3

- B9. List all chemicals regularly used in your facility. Indicate where they may most likely enter into the City's sewer system or storm system or both.
- B10. Indicate if the Fire Bureau has been notified of your onsite storage practices.
- B11. Answer yes or no. If yes, attach plans.
- B12. Indicate the characteristics of the wastewater. Priority pollutants are listed in Attachment A. If your facility's discharge may include any priority pollutants, Attachment A must be completed.
- B13. If any laboratory analyses have been performed on wastewater discharged from your facility, a copy of the results must be attached.

B14. If your facility uses processes in any of the industrial categories or business activities listed below and any of these processes generate or cogenerate wastewater or waste sludge, place a check beside the category or business activity (check all that apply).

a. Industrial Categories

EPA	
Category	
Code	Category
467 [ ]	Aluminum forming
461 [ ]	Battery manufacturing
434 [ ]	Coal mining
465 [ ]	Coil coating
468 [ ]	Copper forming
469 [ ]	Electric & electronic components
413 [ ]	Electroplating (If checked, please complete Attachment B)
415 [ ]	Inorganic chemicals
420 [ ]	Iron & steel
425 [ ]	Leather tanning & finishing
433 [ ]	Metal Finishing (If checked, please complete Attachment B)
464 [ ]	Metal molding & casting (Foundries)
471 [ ]	Nonferrous metals forming
421 [ ]	Nonferrous metals manufacturing
414 & 416 [ ]	Organic chemicals, plastics, & synthetic fibers
455 [ ]	Pesticides
419 [ ]	Petroleum refining
439 [ ]	Pharmaceuticals
463 [ ]	Plastics processing
466 [ ]	Porcelain enamel
430 & 431 [ ]	Pulp, paper, and fiberboard
428 [ ]	Rubber
423 [ ]	Steam electric
410 [ ]	Textile mills
429 [ ]	Timber products (wood preserving)

b. Other Business Activity

[ ]	Adhesives
[ ]	Analytical laboratories
[ ]	Auto laundries
[ ]	Beverage bottler
[ ]	Can making
405 [ ]	Dairy products
[ ]	Dry Cleaners
457 [ ]	Explosives manufacturing
[ ]	Food/edible products processor
[ ]	Gas stations
454 [ ]	Gum & wood chemicals
[ ]	Health services
460 [ ]	Hospital
[ ]	Laundries
[ ]	Machine shops
[ ]	Mechanical products
440 [ ]	Ore mining
446 & 447 [ ]	Paint & ink
459 [ ]	Photographic supplies
[ ]	Printing & publishing
[ ]	Radiator Shops
[ ]	Slaughter/meat packing/rendering
417 [ ]	Soaps & detergents
[ ]	Used oil reclaimers
[ ]	Waste recycler
[ ]	Other _____

Instructions for Completing page B4

- B14. A facility who checks off activities listed under A are covered by the Environmental Protection Agency's (EPA) categorical pretreatment standards and the City's local pretreatment standards. These facilities are termed "categorical users." Businesses that check-off activities listed under B are termed "noncategorical users" and are covered by the City's local pretreatment standards. If you have any questions regarding how to categorize your business activity, contact the City for technical guidance.

B15. Attach a simple schematic drawing(s) of your facility, indicating: (Drawings should be 11 x 17, or smaller)

- a. Location and size of all service outlets, process drains, floor drains
- b. Existing sampling manholes or locations where samples may be collected
- c. Current or planned flow metering equipment
- d. Current or planned automatic sampling equipment
- e. Location of pretreatment processes, treated flows, and untreated flows
- f. Location and name of pertinent streets
- g. Flow schematic to indicate process and process discharge in gpd
- h. Chemical storage location
- i. Storm drain location, if known

*See Attached Flow Chart*

B16. Pretreatment devices or processes used for treating wastewater or sludge (check as many as appropriate).

- ☐ Air flotation
- ☐ Carbon filtration
- ☐ Centrifuge
- ☐ Chemical precipitation
- ☐ Chlorination
- ☐ Cyclone
- ☐ Evaporation
- ☐ Filtration
- ☐ Filtration, Multi-media
- ☐ Filtration, Rotary
- ☐ Filtration, Sand
- ☐ Flow equalization
- ☐ Grease or oil separation, type \_\_\_\_\_
- ☐ Grease trap
- ☐ Grinding filter
- ☐ Grit removal
- ☐ Ion exchange
- ☐ Neutralization, pH correction
- ☐ Ozonation
- ☐ Reverse osmosis
- ☐ Screen
- ☐ Sedimentation
- ☐ Septic tank
- ☐ Solvent separation
- ☐ Spill protection
- ☐ Sump
- ☐ Biological treatment, type \_\_\_\_\_
- ☐ Rainwater diversion or storage \_\_\_\_\_
- ☐ Other chemical treatment, type \_\_\_\_\_
- ☐ Other physical treatment, type \_\_\_\_\_
- ☐ Other, type \_\_\_\_\_
- ☐ No pretreatment provided

B17. Is additional pretreatment required? ☐ Yes ☐ No ☐ Don't know If yes, describe necessary pretreatment.

B18. Is industry in compliance with City industrial pretreatment ordinance? ☐ Yes ☐ No ☐ Don't Know  
See ordinance.

B19. Is industry in compliance with Federal Categorical standards? ☐ Yes ☐ No ☐ Don't Know

B20. Are any process changes or expansions planned during the next three years? ☐ Yes ☐ No  
If yes, attach a separate sheet to this form describing the nature of planned changes or expansions.

B21. Please describe any previous spill events and remedial measures taken to prevent their reoccurrence:

---

---

---

---



Instructions for Completing page B5

B15. Attach a simple schematic drawing(s). Approved building plans may be substituted.

Example:

B22. Comments:

Copy

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature\* \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

\*This form should be signed by a responsible corporate officer, a general partner, or by a duly authorized representative. See 40 CFR 403.12(i) for full definition.

Instructions for Completing page B6

B22. Place comments here.

Certification requirements are contained in 40 CFR 403.12(f). This form must be signed by a responsible corporate officer, a general partner, or d. authorized representative.

Return the completed form to:

Industrial Waste Division  
City of Portland  
Bureau of Environmental Services  
1120 S.W. Fifth Avenue  
Portland, Oregon 97204-1972

Complete Attachments A and B as required.

Attachment A  
PRIORITY POLLUTANT INFORMATION

1. Please indicate by placing an "X" in the appropriate space by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names. Please refer to the Priority Pollutant Synonym Listing for those compounds which have an asterisk (\*).

Item No.	CASRN	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present
1	7664417	ammonia				
2	1332214	asbestos (fibrous)				
3	57125	cyanide (total)				
4	7440360	antimony (total)				
5	7440382	arsenic (total)				
6	7440417	beryllium (total)				
7	7440439	cadmium (total)				
8	7440473	chromium (total)				
9	7440508	copper (total)				
10	7439921	lead (total)				
11	7439976	mercury (total)				
12	7440020	nickel (total)				
13	7782492	selenium (total)				
14	7440224	silver (total)				
15	7440280	thallium (total)				
16	7440666	zinc (total)				
17	83329	acenaphthene				
18	208968	acenaphthylene				
19	107028	acrolein				
20	107131	acrylonitrile				
21	309002	aldrin				
22	120127	anthracene				
23	71432	benzene				
24	92875	benzidine				
25	56553	benzo(a)anthracene*				
26	50328	benzo(a)pyrene*				
27	205992	benzo(b)fluoranthene				
28	191242	benzo(g,h,i)perylene*				
29	207089	benzo(k)fluoranthene*				
30	319846	a-BHC(alpha)				
31	319857	b-BHC(beta)				
32	319868	d-BHC(delta)				
33	58899	g-BHC*(gamma)				
34	111444	bis(2-chloroethyl)ether*				
35	111911	bis(2-chloroethoxy)methane*				
36	108601	bis(2-chloroisopropyl)ether*				
37	542881	bis(chloromethyl)ether*				

## Attachment A (Continued)

Item No.	CASRN	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present
38	117817	bis(2-ethylhexyl)phthalate*				
39	75274	bromodichloromethane*				
40	75252	bromoform*				
41	74839	bromomethane*				
42	101553	4-bromophenylphenyl ether				
43	85687	butylbenzyl phthalate				
44	56235	carbon tetrachloride*				
45	57749	chlordane				
46		4-chloro-3-methylphenol*				
47	108907	chlorobenzene				
48	75003	chloroethane*				
49	110758	2-chloroethylvinyl ether				
50	67663	chloroform*				
51	74813	chloromethane*				
52	91587	2-chloronaphthalene				
53	95578	2-chlorophenol*				
54	7005723	4-chlorophenylphenyl ether				
55	218019	chrysene*				
56	72548	4,4'-DDD*				
57	72559	4,4'-DDE*				
58	50293	4,4'-DDT*				
59	53703	dibenzo(a,h)anthracene*				
60	124481	dibromochloromethane*				
61	95501	1,2-dichlorobenzene*				
62	541731	1,3-dichlorobenzene*				
63	106467	1,4-dichlorobenzene*				
64	91941	3,3-dichlorobenzidine				
65	75718	dichlorodifluoromethane*				
66	75343	1,1-dichloroethane*				
67	107062	1,2-dichloroethane*				
68	75354	1,1-dichloroethene*				
69	111444	trans-1,2-dichloroethene*				
70	120832	2,4-dichlorophenol				
71	78875	1,2-dichloropropane*				
72	542756	(cis & trans)1,3-dichloropropene*				
73	60571	dieldrin				
74	84662	diethyl phthalate*				
75	105679	2,4-dimethylphenol*				
76	131113	dimethyl phthalate				
77		di-n-butyl phthalate				
78		di-n-octyl phthalate*				

## Attachment A (Continued)

Item No.	CASRN	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present
79		1,6-dinitro-2-methylphenol*				
80	51285	2,4-dinitrophenol				
81	121142	2,4-dinitrotoluene				
82	606202	2,6-dinitrotoluene				
83	122667	1,2-diphenylhydrazine*				
84	959988	endosulfan I*				
85	33213659	endosulfan II*				
86	1031078	endosulfan sulfate				
87	72208	endrin				
88	7421934	endrin aldehyde				
89	100414	ethylbenzene				
90	206440	fluoranthene				
91	86737	fluorene*				
92	76448	heptachlor				
93	1024573	heptachlor epoxide				
94	118741	hexachlorobenzene*				
95	87683	hexachlorobutadiene				
96	77474	hexachlorocyclopentadiene*				
97	67721	hexachloroethane*				
98	193395	indeno (1,2,3-cd)pyrene*				
99	78591	isophorone*				
100	74873	methylene chloride*				
101	91203	naphthalene				
102	98953	nitrobenzene				
103	88755	2-nitrophenol*				
104	100027	4-nitrophenol*				
105	62759	n-nitrosodimethylamine*				
106	621647	n-nitrosodipropylamine*				
107	86306	n-nitrosodiphenylamine*				
108	12674112	PCB-1016*				
109	11104282	PCB-1221*				
110	11141165	PCB-1232*				
111	53469219	PCB-1242*				
112	12672296	PCB-1248*				
113	11097691	PCB-1254*				
114	11096825	PCB-1260*				
115	87865	pentachlorophenol				
116	85018	phenanthrene				
117	108952	phenol				
118	129000	pyrene				
119	1746016	2,3,7,8-tetrachlorodibenzo-p-dioxin*				

## Attachment A (Continued)

Item No.	CASRN	Chemical Compound	Suspected Absent	Known Absent	Suspected Present	Known Present
120	630206	1,1,2,2-tetrachloroethane*				
121	127184	tetrachloroethene*				
122	108883	toluene*				
123	8001352	toxaphene				
124	120821	1,2,4-trichlorobenzene				
125	71556	1,1,1-trichloroethane*				
126	79005	1,1,2-trichloroethane*				
127	79016	trichloroethene*				
128	75694	trichlorofluoromethane*				
129	88062	2,4,6-trichlorophenol				
130	75014	vinyl chloride*				

2. For chemical compounds listed above that are indicated to be "Known Present," please list and provide the following data for each: (attach additional sheets if needed)

Item No.	Chemical Compound	Estimated Annual Usage (lb)	Loss or discharge to Sewers (lb/yr)	
			Sanitary	Storm

# CBIS Water/Sewer Report

Account: 4640172034

Type of Service: 18

Company: KOPPERS COMPANY INC .

Other

7540 NW ST HELENS R

Meter Type:	065	065	065	066	000	000
Sanitary Factor:	0	0	0	100	0	0
ESSC Factor:	0	0	0	0	0	0

Month	Water	Sewer	Meter 1	Meter 2	Meter 3	Meter 4	Meter 5	Meter 6
9703	128	0	0	117	0	11	0	0
9704	138	0	0	127	0	11	0	0
9705	159	0	0	145	0	14	0	0
9706	107	0	0	97	0	10	0	0
9707	130	0	0	116	0	14	0	0
9708	157	0	0	143	0	14	0	0
9709	144	0	1	130	0	13	0	0
9710	138	0	0	116	0	22	0	0
9711	161	0	0	133	0	28	0	0
9712	169	0	0	146	0	23	0	0
<hr/>								
9801	167	0	0	143	0	24	0	0
9802	190	0	0	164	0	26	0	0
9803	160	0	0	135	0	25	0	0
9804	205	0	0	177	0	28	0	0
9805	206	0	0	164	0	42	0	0
9806	143	0	0	118	0	25	0	0
9807	257	0	0	210	0	47	0	0
9808	256	0	2	217	0	37	0	0
9809	208	0	0	173	0	35	0	0
9810	278	0	0	240	0	38	0	0
9811	284	0	1	242	0	41	0	0
9812	280	0	0	238	0	42	0	0
<hr/>								
9901	290	0	0	253	0	37	0	0
9902	375	0	0	334	0	41	0	0

IN

IN  
OUT

Volumes in ccf

65 = Water meter only

66 = Sewer meter only

67 = Water/Sewer meter

09-March-1999

Koppers012790





# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

FOR OFFICE USE ONLY

Date of Violation:	0/00/00	Permit No.:	000-066, P-1
Nature of Violation:	None	Collected by:	City
Response Date:	August 1, 1994	Sample Type:	N/A
Response Number:	CTM-1994-165	Sample Location:	N/A

## COMPLIANCE TELEPHONE MEMORANDUM

Certified Receipt No. P 369 201 639

To: Mr. Amos Kamerer  
KOPPERS  
7540 NW St. Helens Rd.  
Portland, OR 97210

RE: Wastewater Discharge Permit Application Due Date Extension

### Requirement:

Submit the completed Permit Application to the City as soon as possible, and no later than August 8, 1994. Send all information to my attention to assure accurate tracking of dated material.

### Summary:

I spoke with Amos Kamerer today regarding extending the due date for permit application submittal to the City of Portland from KOPPERS. The original due date was July 8, 1994. The due date was extended once (prior to today's request) on request from KOPPERS, to July 31, 1994. Regarding a further extension, Mr. Kamerer had spoken with Industrial Source Control's Duty Officer on Friday, July 29th about the matter and came away with the impression that KOPPERS should turn in the paperwork as soon as they could, but no specific due date was mentioned. The duty officer was unaware of the original due date and unaware that one extension had already been granted.

I informed Mr. Kamerer that the application forms **must** be submitted to the City within 30 days of the original due date. If not, then KOPPERS would be identified as being in Significant Non-Compliance of environmental rules and regulations, and would be published in the newspaper with other companies in violation. I urged Mr. Kamerer to submit the completed Permit Application as soon as possible and no later than **August 8, 1994**.

If the August 8th due date is not met, KOPPERS will be issued and enforcement action beyond this CTM and assessed a civil penalty.

Christina K. Anderson  
Signature

Christina K. Anderson, Permit Manager  
Industrial Source Control Management

cc: M. Santana, City

August 1, 1994

Date

**RECEIVED**

AUG 3 1994

KOPPERS INDS., INC.  
PORTLAND, OR

Koppers012792

File  
CITY OF PORTLAND  
INDUSTRIAL WASTEWATER INSPECTION SUMMARY

cc: B. Swearingen

P.Y.I.

Amos

12/20

Company: Koppers

The City of Portland Industrial Waste Management Section has completed an inspection of your facility on 12/20/93. After review of your completed forms and site inspection report, your status is as follows:

USER TYPE:

- ☒ Categorical Industrial User (CIU) Non-discharger  
☐ Significant Industrial User (SIU)  
☐ Nonsignificant Industrial User (NIU)  
☐ Nonapplicable Industrial User (NAU)

INSPECTION RESULT:

- ☒ No follow-up activities required at this time  
☐ Follow-up activities are required to satisfy the pretreatment standards  
☐ Description of deficiencies include, but are not limited to:

List of Deficiencies

---

---

---

---

---

- ☐ Respond within 10 days of this inspection  
☐ A letter of violation (LOV) to follow from the City  
☐ Instructions

---

---

---

Jim McCadden  
Print Name of Permit Manager/Inspector

Jim McCadden  
Signature (Permit Manager)

12/20/93  
Date

T J Turner  
Print Name of Industry Contact

T J Turner  
Signature (Industry Contact)

CITY OF PORTLAND  
ENVIRONMENTAL SERVICES  
1120 S.W. 5th Ave., Room 400, Portland, OR 97204-1972

Jim McCadden  
Permit Manager  
Phone: (503) 823-7126  
Fax: (503) 823-5228

White - City  
Yellow - Industry  
Pink - File

Filed under City of Portland



Printed on Recycled Paper



Koppers012793



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 414 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules.

**Facility Name:** Koppers Industries

**Address:** 7540 NW St Helens Rd.  
Portland, OR 97210

**Reporting Period:** From July 1, 1998 To December 31, 1998

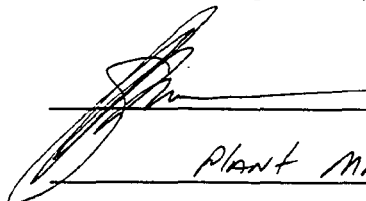
**THIS REPORT DUE TO THE CITY BY:** January 15, 1999

### CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATER HAVE OCCURRED

- ☒ Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

**Signature:**

 A.S. Kammerer

**Title:**

Plant Manager

**Date:**

1/4/99

cc: T. Self, KII



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 414 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules.

**Facility Name:** Koppers Industries

**Address:** 7540 NW St Helens Rd.  
Portland, OR 97210

**Reporting Period:** From January 1, 1998 To June 30, 1998

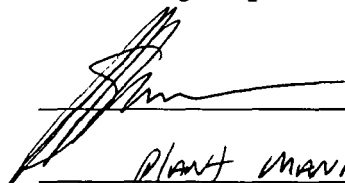
**THIS REPORT DUE TO THE CITY BY:** July 15, 1998

### CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATER HAVE OCCURRED

☒ Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

**Signature:**

 A.S. Kamelex

**Title:**

Plant Manager

**Date:**

7/1/98

cc: Traci Seif, EIR



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1211 S.W. 5th Ave., Suite 800, Portland, Oregon 97204-3713  
(503) 823-5320, FAX (503) 823-5559

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 464.20 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due January 15, 1998 to: Industrial Source Control Division  
Bureau of Environmental Services.  
6543 N. Burlington Ave.  
Portland, OR 97203

Facility Name: Koppers Industries

Address: 7540 NW St. Helens Rd

Portland, OR 97210

Reporting Period (From) July 1, 1997 (To) December 31, 1997

(CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURED.)



Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature

Date:

1/6/98

Title

A.S. Kameuca  
PLANT MANAGER

CC: W.E. SWEARINGEN

1-1



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1211 S.W. 5th Ave., Suite 800, Portland, Oregon 97204-3713  
(503) 823-5320, FAX (503) 823-5559

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards, 40 CFR 464.20 that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due July 15, 1997 to:

Industrial Source Control Division  
Bureau of Environmental Services.  
6543 N. Burlington Ave.  
Portland, OR 97203

Facility Name: Koppers Industries

Address: 7540 NW St. Helens Rd

Portland, OR 97210

Reporting Period (From) January 1, 1997 (To) June 30, 1997

(CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURED.)

☒ Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature

Date: 7/1/97

Title

A.S. Kammer

PLANT MANAGER

*CC: W.E. Swearingen, KII*



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



~~1120~~ S.W. Fifth Ave., Room ~~400~~<sup>600</sup>, Portland, Oregon 97204-~~1972~~ <sup>3713</sup>  
124 (503) 823-7740, FAX (503) 823-6995

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due **January 15, 1997** to:

Source Control  
Bureau of Environmental Svc.  
1120 S.W. 5th, Room 400  
Portland, OR 97204-1972

Facility Name: **Koppers Industries, Inc.**

Address: **7540 NW St. Helens Rd.  
Portland, OR 97210**

Reporting Period: July 1, 1996 to December 31, 1996

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

☒ Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:  Date: 1/3/97

Title: Plant Manager

*C.C. H.E. Sweaningen*





# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1211 Suite 800  
4120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due July 15, 1996 to:

Source Control  
Bureau of Environmental Svc.  
(211 ~~4120~~ S.W. 5th, Room ~~400~~ 800  
Portland, OR 97204-~~1972~~ 3713

Facility Name: **Koppers Industries, Inc.**

Address: **7540 NW St. Helens Rd.  
Portland, OR 97210**

Reporting Period: January 1, 1996 to June 30, 1996

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

☒ Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:  Date: 7/18/96

Title: A.S. KAMERER, PLANT MANAGER

CC: W.E. Swearingen

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

29



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



<sup>1211</sup>  
1120 S.W. Fifth Ave., <sup>Suite 800</sup> Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due **January 15, 1996** to:

Source Control  
Bureau of Environmental Svc.  
1120 S.W. 5th, Room 400  
Portland, OR 97204-1972

Facility Name: **Koppers Industries, Inc.**

Address: **7540 NW St. Helens Rd.  
Portland, OR 97210**

Reporting Period: July 1, 1995 to December 31, 1995

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

☒ Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:  Date: 1/2/96

Title: A.S. Kamek, Plant Manager

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

28

*CC: W.E. Swearingen*



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1211 S.W. 5th Ave., Suite 800, Portland, Oregon 97204-3713  
(503) 823-5320, FAX (503) 823-5559

## FOR OFFICE USE ONLY

Date of Violation:	July 16 1996	Permit No.:	314.001 P-4
Nature of Violation:	Late Report - Non-Discharge Certification	Collected by:	N/A
Response Date:	July 29, 1996	Sample Type:	N/A
Response Number:	CTM-1996-124	Sample Location:	N/A

## COMPLIANCE TELEPHONE MEMORANDUM

Certified Receipt No. Z 109 692 689

**To: Amos Kamerer**  
Koppers Industries, Inc.  
7540 NW St Helens Rd.  
Portland, OR 97210

**RE: Late Report**

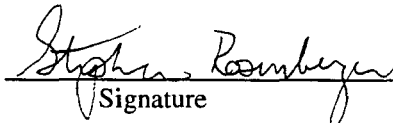
**Level: Minor**

**Proposed Penalty: None**

**Requirement: None - Report Submitted**

## Summary:

Mr. Kamerer was contacted regarding Koppers' late report (Non-Discharge Certification). He was informed that the City had received the documentation. However, the material was postmarked after the due date. He acknowledged this point. The concept of a CTM and escalating enforcement was explained to Mr. Kamerer. He was informed that if there is another late report from Koppers this year (1996), the enforcement will escalate to a Letter of Violation (LOV) with a \$100 fine.

  
Signature

7/29/96  
Date

Stephen Rosenberger  
Permit Manager, Industrial Source Control

cc: MAS  
Koppers IU File

Re: 1-3-96 acp

# RECEIVED

JUL 31 1996

KOPPERS INDS., INC.  
PORTLAND, OR

Koppers012801



CITY OF PORTLAND  
**ENVIRONMENTAL SERVICES**  
1211 SW Fifth Avenue, Suite 800, Portland, Oregon 97204-3713  
Stephen Rosenberger, Permit Manager

**CERTIFIED**



Amos Kamerer  
Koppers Industries, Inc.  
7540 N.W. St. Helens Rd.  
Portland OR, 97210

# INDUSTRIAL WASTEWATER INSPECTION SUMMARY

Company: Koppers

The City of Portland Industrial Waste Management Section has completed an inspection of your facility on [5/21/96]. After review of your completed forms and site inspection report, your status is as follows:

## USER TYPE:

- ☒ Categorical Industrial User (CIU)  
☐ Significant Industrial User (SIU)  
☐ Nonsignificant Industrial User (NIU)  
☐ Nonapplicable Industrial User (NAU)

## INSPECTION RESULT:

- ☒ No follow-up activities required at this time  
☐ Follow-up activities are required to satisfy the pretreatment standards  
☐ Description of deficiencies include, but are not limited to:

List of Deficiencies None

No Discharge of Process Waste Water

- ☐ Respond within 10 days of this inspection  
☐ A letter of violation (LOV) to follow from the City  
☒ Instructions

- 1) Add Duty Officer Phone # to Spill Response Plan - 823-7180  
2) Add language to ASPD reflecting Notification of City  
if spill material will reach city storm/sewering sewer.

Stephen Rosenberger  
Print Name of Permit Manager/Inspector

Stephen Rosenberger  
Signature (Permit Manager)

5-21-96  
Date

Amos Kameier  
Print Name of Industry Contact

[Signature]  
Signature (Industry Contact)

5/21/96  
Date

White - City  
Yellow - Industry  
Pink - File

Do in 30 days

Form 14-23  
Rev 8/90


# KOPPERS

7540 N.W. St. Helens Rd.  
Portland, Oregon 97210  
(503) 286-3681

6/6/96

Bill Swearingen

Agrees with me, containment is not required.  
If it comes up again, say something to the  
effect that we feel secure with the  
knowledge that even if we had a spill, that  
we would deal with it before it could even  
get to the city sewer system and that  
what ever residue materials that could  
develop would go into the tank farm  
and through our NPDES system.



AMOS S. KAMERER



FAX TRANSMITTAL

Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

Telephone: 503-286-3681  
Fax: 503-285-2831

TO: Bill Swearingen

DATE: 6/4/96

FROM: Amos

TOTAL # OF PAGES: 3

The city storm water people came in on 5/21/96 for their  
Annual visit, a copy of the summary report is attached for  
your files. A question came up about the lack of containment  
around the 3-55 gal. drums of diesel and 1-55 gal. drum of  
recycled oil in our covered outside storage shed. I  
explained that the quantities involved didn't require  
containment. He said that that maybe correct, and

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

# KOPPERS

7540 N.W. St. Helens Rd.  
Portland, Oregon 97210  
(503) 286-3681

6/4/96

Re: Storm water people

Page #2

that he would pursue what was correct, but that they had the feeling that with such matters that "it was better to be safe, than sorry".

Should I do nothing til I hear from him or should I be safe?

I'm out 6/5 - in 6/6 & 6/7.

Amos

AMOS S. KAMERER



# KOPPERS INDUSTRIES

**Amos S. Kameron**  
Plant Manager

Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

Telephone: 503-286-3681  
Fax: 503-285-2831

June 12, 1996

Mr. Stephen Rosenberger  
City of Portland  
Environmental Services  
1211 SW Fifth Ave. Suite 800  
Portland, OR 97204-3713

Reference: Permit #314-001

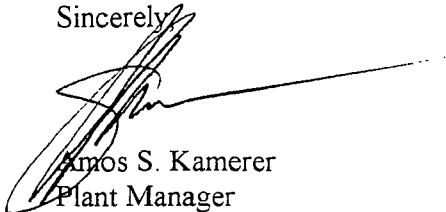
Dear Mr. Rosenberger,

As per your request during your annual inspection on May 21, enclosed please find revised pages 14, 15 and 17 to our Spill Prevention, Control and Countermeasures Plan, adding the requirement to notify the cities Duty Officer, in the event a spill would reach the cities storm or sanitary sewer drains. No other changes were made to the original SPCC Plan.

By copies to the parties listed below, enclosed please find copies of these same pages for you to replace in your copy of our plan.

If any one has any questions in this regard, please feel free to contact me at any time.

Sincerely,



Amos S. Kameron  
Plant Manager

cc: EPA, Region X  
DEQ, Mr. Elliot Zais  
Portland Fire Bureau, Mr. Mike Franzen  
KII, W.E. Swearingen  
KII, J. S. Marcinowski

Koppers012807



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due **July 15, 1995** to:

Source Control  
Bureau of Environmental Svc.  
1120 S.W. 5th, Room 400  
Portland, OR 97204-1972

Facility Name: **Koppers Industries, Inc.**

Address: **7540 NW St. Helens Rd.  
Portland, OR 97210**

Reporting Period: **January 1, 1995** to **June 30, 1995**

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:



Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature:  Date: 7/10/95

Title: A. S. Kameron, Plant Manager

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

27

CC: W.E. Swearingin



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due **January 15, 1995** to:

Source Control  
Bureau of Environmental Svc.  
1120 S.W. 5th, Room 400  
Portland, OR 97204-1972

Facility Name: **Koppers Industries, Inc.**

Address: **7540 NW St. Helens Rd.  
Portland, OR 97210**

Reporting Period: **October 1, 1994** to **December 31, 1994**

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

☒ Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature: \_\_\_\_\_

Date: 1/3/95

Title: \_\_\_\_\_

A.S. Kammerer, PLANT MANAGER

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

26

CC: W.E. Swearingen, AII



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due **January 15, 1995** to:

Source Control  
Bureau of Environmental Svc.  
1120 S.W. 5th, Room 400  
Portland, OR 97204-1972

Facility Name: **Koppers Industries, Inc.**

Address: **7540 NW St. Helens Rd.  
Portland, OR 97210**

Reporting Period: **October 1, 1994** to **December 31, 1994**

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:



Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature: \_\_\_\_\_

Date: 1/3/95

Title: \_\_\_\_\_

A.S. Farmer, Plant Manager

S:\IU-K\KOPPERS\PERMIT\94PERMIT.DFT

26

CC: W.E. Swearingen, AEE

INDUSTRIAL WASTEWATER INSPECTION SUMMARY

Company: Koppers, Inc

The City of Portland Industrial Waste Management Section has completed an inspection of your facility on 10/3/94. After review of your completed forms and site inspection report, your status is as follows:

USER TYPE:

- ☒ Categorical Industrial User (CIU) 314  
☐ Significant Industrial User (SIU)  
☐ Nonsignificant Industrial User (NIU)  
☐ Nonapplicable Industrial User (NAU)

INSPECTION RESULT:

- ☒ No follow-up activities required at this time  
☐ Follow-up activities are required to satisfy the pretreatment standards  
☐ Description of deficiencies include, but are not limited to:

List of Deficiencies

NDNR

- ☐ Respond within 10 days of this inspection  
☐ A letter of violation (LOV) to follow from the City  
☒ Instructions

Complete Spill plan by 12/31/94

C. K. Anderson / A. F. O'Roke  
Print Name of Permit Manager/Inspector

Christina Anderson / A. F. O'Roke  
Signature (Permit Manager)

10/3/94  
Date

T. J. Turner  
Print Name of Industry Contact

[Signature]  
Signature (Industry Contact)

10-3-94  
Date

White - City  
Yellow - Industry  
Pink - File

Form 14-23  
Rev 8/90

Koppers012811

INDUSTRIAL WASTEWATER INSPECTION SUMMARY

Company:

Koppers Industries

FAX: B. Swearingen

F.Y.I.

Amos

The City of Portland Industrial Waste Management Section has completed an inspection of your facility on [5/15/97]. After review of your completed forms and site inspection report, your status is as follows:

USER TYPE:

- ☒ Categorical Industrial User (CIU)  
☐ Significant Industrial User (SIU)  
☐ Nonsignificant Industrial User (NIU)  
☐ Nonapplicable Industrial User (NAU)

INSPECTION RESULT:

- ☐ No follow-up activities required at this time  
☐ Follow-up activities are required to satisfy the pretreatment standards  
☐ Description of deficiencies include, but are not limited to:

List of Deficiencies

None

- ☐ Respond within 10 days of this inspection  
☐ A letter of violation (LOV) to follow from the City  
☐ Instructions

No instructions - Wastewater issues in compliance.

Stephen Rosenberg Jon Helthrop  
Print Name of Permit Manager/Inspector

Stephen Rosenberg  
Signature (Permit Manager)

5/15/97  
Date

A. S. Kammerer  
Print Name of Industry Contact

[Signature]  
Signature (Industry Contact)

5/15/97  
Date

White - City  
Yellow - Industry

Form 14-23  
Rev 8/90



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due **July 15, 1998** to:

Source Control  
Bureau of Environmental Svc.  
1120 S.W. 5th, Room 400  
Portland, OR 97204-1972

Facility Name: **Koppers Industries, Inc.**

Address: **7540 NW St. Helens Rd.  
Portland, OR 97210**

Reporting Period: **January 1, 1998** to **June 30, 1998**

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

- [ ] Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due **January 15, 1999** to:

Source Control  
Bureau of Environmental Svc.  
1120 S.W. 5th, Room 400  
Portland, OR 97204-1972

Facility Name: **Koppers Industries, Inc.**

Address: **7540 NW St. Helens Rd.  
Portland, OR 97210**

Reporting Period: July 1, 1998 to December 31, 1998

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

- [ ] Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_





# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due **July 15, 1999** to:

Source Control  
Bureau of Environmental Svc.  
1120 S.W. 5th, Room 400  
Portland, OR 97204-1972

Facility Name: **Koppers Industries, Inc.**

Address: **7540 NW St. Helens Rd.  
Portland, OR 97210**

Reporting Period: **January 1, 1999** to **June 30, 1999**

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

- [ ] Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

## NO DISCHARGE CERTIFICATION REPORT

Industrial Users subject to limits for processes regulated under categorical pretreatment standards (40 CFR 433) that elect not to discharge to the City of Portland's sanitary sewer must submit a periodic "No Discharge Certification Report" to comply with national pretreatment regulations, the City of Portland's Chapter 17.34, Administrative Rules, and Permit.

Report due **January 15, 2000** to:

Source Control  
Bureau of Environmental Svc.  
1120 S.W. 5th, Room 400  
Portland, OR 97204-1972

Facility Name: **Koppers Industries, Inc.**

Address: **7540 NW St. Helens Rd.  
Portland, OR 97210**

Reporting Period: **July 1, 1999** to **December 31, 1999**

CHECK BOX IF NO DISCHARGES OF REGULATED PROCESS WASTEWATERS HAVE OCCURRED:

☐ Based on my inquiry of the person or persons directly responsible for environmental compliance, I certify that, to the best of my knowledge and belief, no discharges of any regulated wastewaters occurred since filing of the last report.

I have personally examined and am familiar with the information submitted in this report and any attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

INDUSTRIAL WASTEWATER INSPECTION SUMMARY

Company: Koppers

The City of Portland Industrial Waste Management Section has completed an inspection of your facility on [\_\_\_\_]. After review of your completed forms and site inspection report, your status is as follows:

USER TYPE:

- ☒ Categorical Industrial User (CIU) 414  
☐ Significant Industrial User (SIU)  
☐ Nonsignificant Industrial User (NIU)  
☐ Nonapplicable Industrial User (NAU)

INSPECTION RESULT:

- ☐ No follow-up activities required at this time  
☐ Follow-up activities are required to satisfy the pretreatment standards  
☐ Description of deficiencies include, but are not limited to:

List of Deficiencies

NONE  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- ☐ Respond within 10 days of this inspection  
☐ A letter of violation (LOV) to follow from the City  
☐ Instructions  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Christina K. Anderson  
Print Name of Permit Manager/Inspector

Christina K. Anderson  
Signature (Permit Manager)

8/28/95  
Date

A. S. KAMERER  
Print Name of Industry Contact

[Signature]  
Signature (Industry Contact)

8/28/95  
Date

White - City  
Yellow - Industry  
Pink - File

Form 14-23  
Rev 8/90

Koppers012817



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 S.W. Fifth Ave., Room 400, Portland, Oregon 97204-1972  
(503) 823-7740, FAX (503) 823-6995

April 6, 1994

Certification # P 369 202 439

Amos Kamerer, Plant Manager  
KOPPERS  
7540 NW St. Helens Rd.  
Portland, OR 97210

Subject: Environmental Surveys/Permit Application

Dear Mr. Kamerer:

I am forwarding copies of Environmental Surveys and a Permit Application to be filled out in order to comply with the United States Environmental Protection Agency's (USEPA) legally mandated Industrial Pretreatment Program. The objective of the program is to protect and maintain the quality of our water supplies, rivers and groundwater. You are being asked to contribute to this effort by describing some operating characteristics and chemicals used in your operations.

Enclosed is **Environmental Survey form parts A and B**. Form A identifies if there is a non-domestic discharge from your facility. Form B is required for characterizing the sources of non-domestic discharge from your facility, if any. Also enclosed is a **Permit Application** which is needed to begin the permitting process. KOPPERS is identified as a Categorical Industry by EPA's Code of Federal Regulations and therefore must be monitored under a permit. Because your company does not discharge to the City sewer system, KOPPERS will receive a Non-Discharging Permit.

We request the surveys and permit application be returned by <sup>7/30/94</sup> ~~July 8, 1994~~. A payment in the amount of \$75.00 is required to cover the cost of issuing the permit. Please include a check payable to the City of Portland with your submission. Send all correspondence and completed forms to :

Christina K. Anderson, Permit Manager  
Bureau of Environmental Services  
1120 S.W. 5th Avenue, Room 400  
Portland, OR 97204-1972

For your information enclosed is Chapter 17.34 of the City code, Industrial Wastewater Discharges, a copy of the Bureau of Environmental Services' Administrative Rules adopted under this chapter, and an Informational Handout concerning the Resource Conservation and Recovery Act (RCRA).

Sincerely yours,

Christina K. Anderson  
Permit Manager

S:\IU-K\KOPPERS\PERMIT\94SURVEY.AB



# MUNICIPAL PRETREATMENT PROGRAM

---



SOURCE CONTROL DIVISION  
BUREAU OF ENVIRONMENTAL SERVICES  
CITY OF PORTLAND

Job #0021

Koppers012819



CITY OF

# PORTLAND, OREGON

BUREAU OF ENVIRONMENTAL SERVICES

Earl Blumenauer, Commissioner

Mary T. Nolan, Director

1120 S.W. 5th, Rm. 400

Portland, Oregon 97204-1972

(503) 796-7740

FAX: (503) 796-6995

## INDUSTRIAL WASTEWATER DISCHARGE

### PERMIT APPLICATION

#### General Instructions

This form serves as a basis for Industrial Wastewater Discharge Permit Issuance. The City will be verifying data contained in the returned form through phone calls and site visits. Please take the time to fill out the form thoroughly and adequately. Enclosed are copies of the environmental survey submitted for your reference. All questions should be answered. (Process wastewater also includes such items as spent solvents and chemicals dumped down floor drains and sinks.)

- |              |  |
|--------------|--|
| Section I    | Water/Wastewater Data: completed by all users discharging or preparing to discharge process wastewater.  |
| Section II   | Business/Facility Description: completed by all users discharging or proposing to discharge process wastewater.  |
| Section III  | Permit Application Monitoring Form: to be completed by all industrial users. The Permit Application Monitoring Form satisfies Baseline Monitoring Requirements for categorical industrial users. |
| Attachment A | Process schematic flow form  |
| Attachment B | Building layout form   |

Sections II and III contain specific instructions and examples to help you answer the questions. The instructions are located on the backside of the pages.

#### New Facilities Proposing to Discharge Wastewater:

Please supply as much information as possible, providing the best estimates where appropriate.

#### Categorical Users:

EPA has published specific federal standards called "categorical pretreatment standards." Industrial facilities covered by these standards are commonly termed "categorical users."

#### Compliance with Pretreatment Standards:

Industrial and commercial facilities that have or will have a process wastewater discharge are required to comply with federal standards and local standards (generally prohibitive and specific limits such as heavy metals and cyanide), whichever apply or are more stringent. In most cases, the City may not know which standards apply until it reviews the general information that you provide.

Leave Blank: City use only  
Date Received: \_\_\_\_\_

### GENERAL INFORMATION

Complete all applicable sections. Information must be typewritten or clearly printed. Attach requested information as needed. Signing official must have authorization to provide such information on behalf of the company, corporation, or partnership.

1. Company Name/Telephone number: \_\_\_\_\_  
Division name: (if applicable) \_\_\_\_\_
2. Mailing Address: Street or P.O. Box: \_\_\_\_\_  
City, State, Zip Code: \_\_\_\_\_
3. Facility Address: (if different from mailing address)  
Street or P.O. Box: \_\_\_\_\_  
City, State, Zip Code: \_\_\_\_\_
4. Person to be contacted about this form:  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip Code: \_\_\_\_\_  
Title: \_\_\_\_\_  
Phone Number: \_\_\_\_\_
5. Person to be contacted in case of an emergency:  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip Code: \_\_\_\_\_  
Title: \_\_\_\_\_  
Phone Number: \_\_\_\_\_

#### Confidentiality

Please indicate those sections of this questionnaire that you wish to remain confidential and your basis for requiring confidentiality.

#### Qualified Professional Certification

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the Federal General Pretreatment Regulations and amendments thereto, and the City's Sewer Use Ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature Title Date Phone

#### Authorized Representative Statement

I certify under penalty of law that I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature Title Date Phone

Instructions

General Information

Note to Signing Official

Information must be typewritten or clearly printed. Attach additional sheets with section and item number indicated, if needed to provide complete information. Signing official must have authorization to provide such information on behalf of the company, corporation, or partnership. Please complete a form for each facility that discharges to the City sanitary sewer system. Additional copies can be obtained from the City. The address and phone number are provided below.

Please forward the completed form to the address shown below. If you have further questions, call the City at (796-7180).

Source Control Management  
City of Portland  
Bureau of Environmental Services  
1120 SW 5th Ave  
Portland, OR 97204

1. Enter the name or title of your business.
3. Enter facility address where discharge occurs, if different than mailing address.
4. Give the name of the person who is thoroughly familiar with the facts reported on this form and who can be contacted by the City staff.

Note:

1. The Qualified Certification pertains to the actual preparer of the report if different from the authorized representative.
2. The Authorized Representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.



Section I--Water/Wastewater Data

1. Water use and distribution--Estimate the average quantity of water received and wastewater discharged daily (for new businesses, estimate flows).

	Supply From(gal/day)		Discharged To(gal/day)	
	City Water	Other Source	Sanitary Sewer	Other
<u>Water Used for:</u>				
<u>Sanitary</u>				
<u>Processes (see No. 10 for categorical users)</u>				
<u>Boiler/Cooling Tower</u>				
<u>Cooling Water Contact</u>				
<u>Washing (equipment washdown)</u>				
<u>Irrigation</u>				
<u>Air Pollution Control</u>				
<u>Surface Water</u>				
<u>Water Hauler</u>				
<u>Other(Describe)</u>				
Total:				
Water Account Number				

2. Are, or will, the discharges be continuous [ ] or batch [ ]?

3. If batch discharge occurs or will occur, indicate:

- (a) Percent processing as batch \_\_\_\_\_
- (b) Percent processing as continuous \_\_\_\_\_
- (c) Number of batch discharges \_\_\_\_\_ at \_\_\_\_\_  
(per week) (hours per discharge)
- (d) Average quantity per batch \_\_\_\_\_ gallons
- (e) Flow rate \_\_\_\_\_ gallons/minute

4. Discharge Period

- (a) Hours of Day Operated or planned: M\_\_\_\_ T\_\_\_\_ W\_\_\_\_ Th\_\_\_\_ F\_\_\_\_ Sat\_\_\_\_ Sun\_\_\_\_
- (b) Duration of Discharge (hrs/day): M\_\_\_\_ T\_\_\_\_ W\_\_\_\_ Th\_\_\_\_ F\_\_\_\_ Sat\_\_\_\_ Sun\_\_\_\_

5. Variation of Operation

Is the business or proposed activity:  
Continuous through the year [ ], or  
Seasonal [ ]--Circle the months of the year during which discharge occurs:

J F M A M J J A S O N D

6. Process flow schematic: draw appropriate diagram(s) using the form in Attachment A.
7. Building layout: Draw layout of building using Attachment B.

Instructions

Section I--Water/Wastewater Data

PROVIDE CALCULATIONS TO SUPPORT ALL FIGURES IN TABLE 1.

1. **Water Use and Distribution**--Provide the daily average flows of water received and wastewater discharged in gallons per day for the last 12 months by dividing the total flows by the number of days that a discharge of water occurred (or operating day). For the water that is received from other than Water District services or discharged to other than community sanitary sewers, enter the location in the column headed "Source" or "Discharge To." Other source locations can include wells and rivers. Other discharge locations can include storm sewers, dry wells and receiving streams. Hourly and daily water supply meter readings may be used, provided the filling and discharge of storage tanks, process vats, etc., are taken into consideration.

For estimating sanitary flow use, 35 gallons for each employee.

Categorical users: Complete item 10 for providing flows for each of the regulated processes (process lines).

2. A batch discharge is one which results from the draining of storage tanks or process tanks: intermittent boiler blowdown, etc.
4. **Discharge Period:**
  - (a) Enter the hours of the day for each day, during which waste from this Business Activity will be discharged to the sewer: e.g., from 6 a.m. to 5 p.m.
  - (b) Enter the time and duration of discharge other than continuous flows (15 minutes every hour).
5. **Variation in Operation:**

Indicate whether the business activity is continuous throughout the year or if it is seasonal. If the activity is seasonal, circle the months of the year during which discharge occurs. Make any comments you feel are required to describe the variation in operation of your business activity.
6. Go to Attachment A for form, instructions, and examples.
7. Go to Attachment B for form, instructions, and examples.

Section I--Water/Wastewater Data

8. List existing or proposed plant sewer outlets, size, and flow (assign sequential reference number to each sewer starting with No. 1, see Attachments A and B):

<u>Reference No.</u>	<u>Sewer Size (inches)</u>	<u>Descriptive location of sewer connection or discharge point</u>	<u>Daily Avg. flow (gal/day)</u>

9. General characteristic of wastewater or proposed wastewater discharge: (provide specific values for a. b. d. e. f. if known)

- (a) Temperature: \_\_\_\_\_ Don't know \_\_\_\_\_  
 (b) pH level: \_\_\_\_\_ Don't know \_\_\_\_\_  
 (c) Flammable or explosive materials: Yes [ ] No [ ] Don't know [ ]  
 (d) Fats, oils, and grease (mg/L): \_\_\_\_\_ Don't know [ ]  
 (e) 800 (mg/L): \_\_\_\_\_ Don't know [ ]  
 (f) TSS (mg/L): \_\_\_\_\_ Don't know [ ]  
 (g) Solid or viscous material Yes [ ] No [ ] Don't know [ ]  
 (h) Toxics: Yes [ ] No [ ] Don't know [ ] \*\*\* REVIEW ENVIRONMENTAL SURVEY B  
 ATTACHMENT "A".  
 (i) Solvents: Yes [ ] No [ ] Don't know [ ]

10. For categorical facilities, provide the following flows for each of your regulated processes or proposed regulated process (i.e., manufacturing process line covered by categorical pretreatment standards).

- (a) Total Plant Flow in Gallons Per Day (gpd) discharged to the sewer system:

Average \_\_\_\_\_ Maximum \_\_\_\_\_

- (b) Individual Process Flows in Gallons Per Day (gpd):

No.	Regulated Process	Average flowrate (gpd)	Maximum flowrate (gpd)	Type of Discharge (batch, continuous, none)
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

11. Is an inspection and sampling manhole structure available onsite? Yes ☐ No ☐

- If yes, provide location below and include as part of the process flow schematic (see Attachment O).
- Location description:
- If no, is one planned? Yes ☐ No ☐

12. Do you or plan to have automatic sampling equipment or continuous wastewater flow metering equipment currently in use or included in future plans?

Current:	Sampling Equipment	Yes [ ]	No [ ]	N/A [ ]	Flow Metering	Yes [ ]	No [ ]	N/A [ ]
Planned:	Sampling Equipment	Yes [ ]	No [ ]	N/A [ ]	Flow Metering	Yes [ ]	No [ ]	N/A [ ]

If so, please indicate the present or future location of this equipment on the sewer schematic and describe the equipment below:

13. Does your facility pretreat or plan on pretreating any wastewater prior to discharge to a sanitary sewer?

Yes [ ] No [ ] N/A [ ]

Instructions

Section I--Water/Wastewater Data

No Instructions for items 8.-13.

Section II-Business/Facility Description

PURPOSE--The business description is primarily used to determine the substances which may enter into the wastewater discharge from the business activity.

1. Business activity--(Complete a separate sheet for each major or proposed business activity or product line on premises.)

Activity: \_\_\_\_\_ SIC Nos.: \_\_\_\_\_

(a) Raw materials used or planned for use:

(b) Chemicals used or planned for use:

(c) Product (new businesses provide best estimates):

Type of Product (Brand Names)	<u>Past Calendar Year</u>		<u>Estimate This Calendar Year</u>	
	<u>Amounts Per Day (Daily Units)</u>		<u>Amounts Per Day (Daily Units)</u>	
	<u>Average</u>	<u>Maximum</u>	<u>Average</u>	<u>Maximum</u>

(d) Description--Describe each wastewater generating or proposed operations or manufacturing process. Indicate variations in production and operations during the year. (Use additional sheets as necessary.)

(e) Substances Discharged--Give common and technical names of each major raw material and product that may be discharged to the sewer. Briefly describe the physical and chemical properties of each substance and products. (use additional sheets if necessary.)

NAME

DESCRIPTION

Instructions

Section II--Business/Facility Description

1. **Business Activity**--Describe the principal activity on the premises. For the purpose of completing this Part, an activity is a major class of manufacturing. Enter the Standard Industrial Classification (SIC) Code Number, as found in the 1972 Edition of Standard Industrial Classification Manual prepared by the Executive Office of the President, Office of Management and Budget, which is available from the Government Printing Office at Washington, D.C., or at San Francisco, California. DO NOT USE PREVIOUS EDITIONS OF THE MANUAL. Copies are also available for examination at most public libraries. If you do not know, leave SIC No. blank.
  - (a) & (b) If not already provided in Attachment C, list all primary raw materials and chemicals used in the facility's operations. Avoid use of trade names of chemicals. If trade names are used, provide information regarding the active ingredients.
  - (c) **Product**--List the types of products, giving the common or brand name and the proper or scientific name. Enter from your records the average and maximum amounts produced daily for the activity for the previous calendar year, and the estimated daily production for this calendar year. Attach additional pages if necessary.
  - (d) **Description**--Describe the wastewater generating process occurring on the premises, including any seasonal variation in wastewater discharge volumes, plant operations, raw materials, and chemicals used in process and/or production.
  - (e) **Substances discharged**--Give common (brand names) and technical names (chemical, scientific or proper names) of each raw material and product that may be discharged to the sewer. Briefly describe the physical, (e.g., color) and chemical, (e.g., reacts with water) properties of each substance.

### Instructions for Completing Section III

The remaining section will facilitate the collection of the necessary quantitative wastewater information to assist the City in establishing applicable pretreatment limits and requirements. NONCATEGORICAL FACILITIES are required to complete Section III, **PART A ONLY**. CATEGORICAL FACILITIES covered by federal categorical pretreatment standards ("categorical users") are required to complete Section III **PARTS A and B**.

#### Section III--Permit Application Monitoring Report: PARTS A and B

Section III **PART A** is to be completed by all facilities.

Section III **PART B** is additionally required for categorical industries.

---

#### Note:

New Facilities (categorical and noncategorical): new businesses moving into existing facilities and new business proposing to construct a new building. No discharge of process wastewaters has occurred. However, supply as much information as possible providing best estimates where appropriate.

Contact the City if there are any questions on what limits apply to the discharge, what pollutants to sample, sampling requirements, and where to take samples. The general instructions on the back of the form provide general information on sampling.

**PART A: NON-CATEGORICAL INDUSTRIES**

Note: Samples should be taken of the final effluent prior to discharge to the City's collection system. If there is more than one discharge of process wastewater to the City's sewer lines, xerox off this page and supply the analytical results for multiple discharges.

1. Existing Noncategorical Facility (report results in concentrations (mg/L) or mass (lbs))
  - (a) Each noncategorical facility will sample, have analyzed, and report on all pollutants as specified by the City. Samples collected must be representative and taken during peak production. Where mass limits apply, the facility must report results on a mass limit basis [concentration (x) regulated process flow]. Attach all calculations.
2. New Noncategorical Facility
  - (a) Supply as much information as possible providing best estimates where appropriate.

ANALYTICAL RESULTS OF PROCESS WASTEWATER DISCHARGES

Pollutant

Monthly Avg. Limit

Reported Average

Daily Max. Limit

Reported Maximum

1. Specify units used (mg/L or lb): \_\_\_\_\_
2. Sample type (grab, composite): \_\_\_\_\_
3. Number of samples collected (explain): \_\_\_\_\_
4. Dates and times samples collected: \_\_\_\_\_
5. Sample collection location: \_\_\_\_\_
6. Where samples analyzed: \_\_\_\_\_
7. Methods of analyses: \_\_\_\_\_
8. Provide name and address of commercial labs who are performing analysis:
 

Name: _____	Address: _____
Name: _____	Address: _____



## Instructions

### Section III--Permit Application Monitoring

#### **PART A: NON-CATEGORICAL INDUSTRIES**

To be completed by noncategorical users. Attach additional sheets if needed. Contact the City before sampling, if not sure of pretreatment standards, sampling protocols.

1(a) Pollutants—List across the top specific pollutants (use abbreviations) regulated in the City code. Example: Copper - Cu.

- Daily Maximum and Monthly Average - Refer to the City code for pretreatment standards for the specific pollutant. Most cities have daily maximum pretreatment standards (limits), and not monthly averages.

Example: Daily maximum (Copper - Cu = 2 mg/L)  
Monthly average (Zinc - Zn = 4 mg/L)

You would enter 2 under Cu and 4 under Zn.

- Reported maximum: Report the highest maximum concentration for the samples collected and analyzed.
- Reported average: If more than one sample was taken, average all the individual results and report the average in the spaces provided for each of the appropriate pollutants listed.
- Indicate type of samples (i.e., grab, flow proportioned composite, etc.), analytical methods, and number of samples taken. Indicate whether samples were taken of combined wastestreams. The industrial user must ascertain whether it can meet the pollutant standards. The type of discharge, i.e., batch, continuous, routine historical information (e.g., existing data pollutant discharge) etc, is a factor that should guide the industrial user regarding the number of samples to be taken to ascertain compliance. Where feasible, samples should be flow-proportional composites. Additionally, the time, date of sampling, and methods of analysis must be reported. Analytical methods must be performed in accordance with 40 CFR Part 136 and any amendments thereto. It is important that the samples be representative and taken during full production.

Each daily composite shall be analyzed separately.

2(a) New facilities have not begun to operate and/or discharge.

Section III--Permit Application Monitoring

**PART A: NON-CATEGORICAL INDUSTRIES**

**1(b) Compliance certification:**

Are all applicable pretreatment standards being met on a consistent basis?

Yes [ ] No [ ]

If not, what additional operations and maintenance procedures are being considered for compliance? Also, list additional pretreatment being considered to meet standards.

- (c) Provide a compliance schedule for standards to be met. Specify the major events along with corresponding dates. Note that this schedule will require comment by the City and will be subject to changes.

**2. Qualified Professional Certification:**

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature Title Date Phone

**Authorized Representative Statement**

I certify under penalty of law that I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature Title Date Phone

Instructions

Section III--Permit Application Monitoring Report

**PART A: NON-CATEGORICAL INDUSTRIES**

1(b) Compare the sample results against local pretreatment standards provided by the City (contained in City code).

- Describe any additional O&M pretreatment and provide compliance schedule. Specify the major events needed to achieve compliance, as well as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contracts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided.

2. The certification pertains to the actual preparer of the report if different from the authorized representative.

The authorized representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

**PART B: CATEGORICAL USERS**

Section III--Permit Application Monitoring

1. Summarize Each Regulated Process:

Process Description	Production Rate	Pretreatment Standard Category	Subpart	Flow

Total plant flow: \_\_\_\_\_

2. Nature and Concentration of Pollutants (report concentrations in mg/L or mass in lbs):

a. Analysis of Regulated Flows

The industrial user must perform sampling and analysis of the effluent from all regulated process (after treatment, if applicable). Provide the analytical data for the regulated processes in the space provided below. Attach additional sheets if necessary (simply xerox the table and questions below). Only those pollutants specifically regulated by the applicable category need be reported. Refer to backside for further instructions on where to take samples and how many samples to take. If the effluent samples were taken at one combined point, indicate alongside the regulated process line what process flows are commingled at this point.

Regulated Process line(s): \_\_\_\_\_

Process Flow(s) (Daily ave. in mgd): \_\_\_\_\_

ANALYTICAL RESULTS OF PROCESS WASTEWATER DISCHARGES

Pollutant

Monthly Avg. Limit

Reported Average

Daily Max. Limit

Reported Maximum

b. Sample type (grab, composite): \_\_\_\_\_

c. Number of samples collected (explain): \_\_\_\_\_

d. Dates and times samples collected: \_\_\_\_\_

e. Sample collection location: \_\_\_\_\_

f. Where samples analyzed: \_\_\_\_\_

g. Methods of analyses: \_\_\_\_\_

h. Provide name and address of commercial labs performing analyses:

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Name: \_\_\_\_\_ Address: \_\_\_\_\_

## Instructions

### Section III--Permit Application Monitoring

#### PART B: CATEGORICAL USERS

1. List each regulated process, the production rate (i.e., 10,000 lbs. of (product name/unit time-week, month, year), the category, and subpart of the applicable Categorical Pretreatment Standard as well as the SIC code for each process.
2. Each industrial user will sample, analyze, and report on all pollutants regulated specific to each process (refer to appropriate subcategory in regulations for regulated pollutants). Where mass limits exist, the facility will have to report results in mass limits (concentration x regulated process flow in million gallons/day x 8.34). The BAT pretreatment standards are processed-related. That is, a facility must comply with the standard at the end-of-the regulated process. However, EPA recognizes that many facilities combine their wastewater process lines, cooling H<sub>2</sub>O, and sanitary discharge prior to treatment and discharge to municipal sewers. Hence, a facility can sample at a combined point, but will need to adjust the categorical limit it must meet by (i.e., calculate adjusted limits) employing the Combined Wastestream Formula that is contained in Section 403.6(e) of the General Pretreatment Regulations (Federal Register January 28, 1981). If this is the case with your facility, you must employ the formula and provide additional data for calculations. Contact the City for more guidance. Insert in the table the regulated pollutant (use abbreviations), the published average and maximum numerical limit for the particular pollutant found in the regulation, or adjusted limits as calculated by use of the combined wastestream formula, and the results of the sampling (average and maximum values).

Indicate type of samples (i.e., grab, flow proportioned composite, etc.), analytical method, and number of samples taken. Indicate whether samples were taken of combined wastestreams. The industrial user must ascertain whether it can meet the 30-day average, calculated average, daily maximum, or calculated maximum limit. The type of discharge, i.e., bath, continuous, routine historical information (e.g., existing data pollutant discharge) etc., is a factor that should guide the industrial user regarding the number of samples to be taken to ascertain compliance. Where feasible, samples should be flow-proportional composites. Additionally, the time, date of sampling, and 40 CFR Part 136 and any amendments thereto. It is important that the samples be representative and taken during full production. Minimum sampling requirements are:

Process flows less than 250,000 gpd--3 samples within 2-week period  
Process flows greater than 250,000 gpd--6 samples within 2-week period

Section III--Permit Application Monitoring

**PART B: CATEGORICAL USERS**

4. Total Toxic Organics (TTOs):

Facilities who use toxic organics listed by EPA in its published categorical pretreatment standards are required to meet TTO pretreatment standards and must initially sample for TTO and determine compliance. Facilities found to be in compliance with TTO standards can develop a solvent management plan in lieu of having to periodically sample for toxic organics. If you do not use toxic organics in your manufacturing process, you will not be required to sample for TTO but you must answer question "A" below.

- (a) We presently do not or plan to use any of the toxic organics that are listed under the TTO standard located in the applicable categorical pretreatment standards published by EPA. ☐
- (b) We presently use or plan to use organic toxicants listed in the categorical pretreatment standards. ☐ Complete Parts c and d.
- (c) A PAMF has previously been submitted which contains TTO information.  
Yes ☐ No ☐
- (d) A solvent management plan has been developed and is attached.  
Yes ☐ No ☐

5. Compliance Certification

- (a) Is the facility meeting applicable categorical pretreatment standards on a consistent basis?  
Yes ☐ No ☐
- (b) If no, do you require:
  - (1) Additional operation and maintenance (O&M) to achieve compliance? Yes ☐ No ☐
  - (2) New or additional pretreatment facilities to achieve compliance? Yes ☐ No ☐
- (c) If additional O&M or new or additional pretreatment will be required to meet categorical pretreatment standards on a consistent basis, attach a description of it and a schedule on separate sheets. Project increments of progress indicating dates for the commencement and completion of major events leading to compliance with the standard. Note: The final compliance date in this schedule shall not be later than the compliance date for the applicable pretreatment standard. Written progress reports are required within 14 days of each of the compliance dates specified in the compliance schedule.
- (d) ☐ I have provided a compliance schedule.

Qualified Professional Certification:

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Phone

Authorized Representative Statement:

I certify under penalty of law that I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report. I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Phone

Instructions

Section III--Permit Application Monitoring

PART B: CATEGORICAL USERS

4. Facilities covered by a TTO pretreatment standard must initially sample for TTO and determine compliance. Analyses only have to be performed on toxic organics present. Contact City for list of toxics applicable to your operations.
- 4(a) Facilities that utilized none of the toxic organics can provide a certification statement in lieu of having to monitor for toxics.
- 4(d) Facilities whose sampling results indicate compliance with TTO standards can develop a solvent management plan in lieu of having to periodically sample for toxic organics. Contact the City of guidance.
- 5(a) In order to determine compliance with published or calculated mass-based categorical standards, a facility will need to compare its allowable mass limit (e.g., Pb =  $\frac{.00261 \text{ lbs} \times 200 \text{ lbs of steel produced}}{1,000 \text{ lbs}}$  = 0.533 lb) against the actual mass loading derived from sampling (i.e., conc. x regulated process flows x 8.34 = lbs discharged). If categorical standards are published in concentration, then a facility only needs to compare the concentration of its effluent against the regulated standards for the particular pollutant.
- 5(c) Describe any additional O&M or pretreatment and attach a compliance schedule. Specify the major events needed to achieve compliance, as well as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contracts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided.
6. The certification pertains to the actual preparer of the report if different from the authorized.

The authorized representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

ATTACHMENT A

ATTACHMENT A-SCHEMATIC FLOW DIAGRAM

For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from start to completed activity, showing all unit processes generating wastewater. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing this unit process in the building layout in schematic. Use the space below or additional sheets of 8x11 paper. An example is provided on the backside.



# Instructions

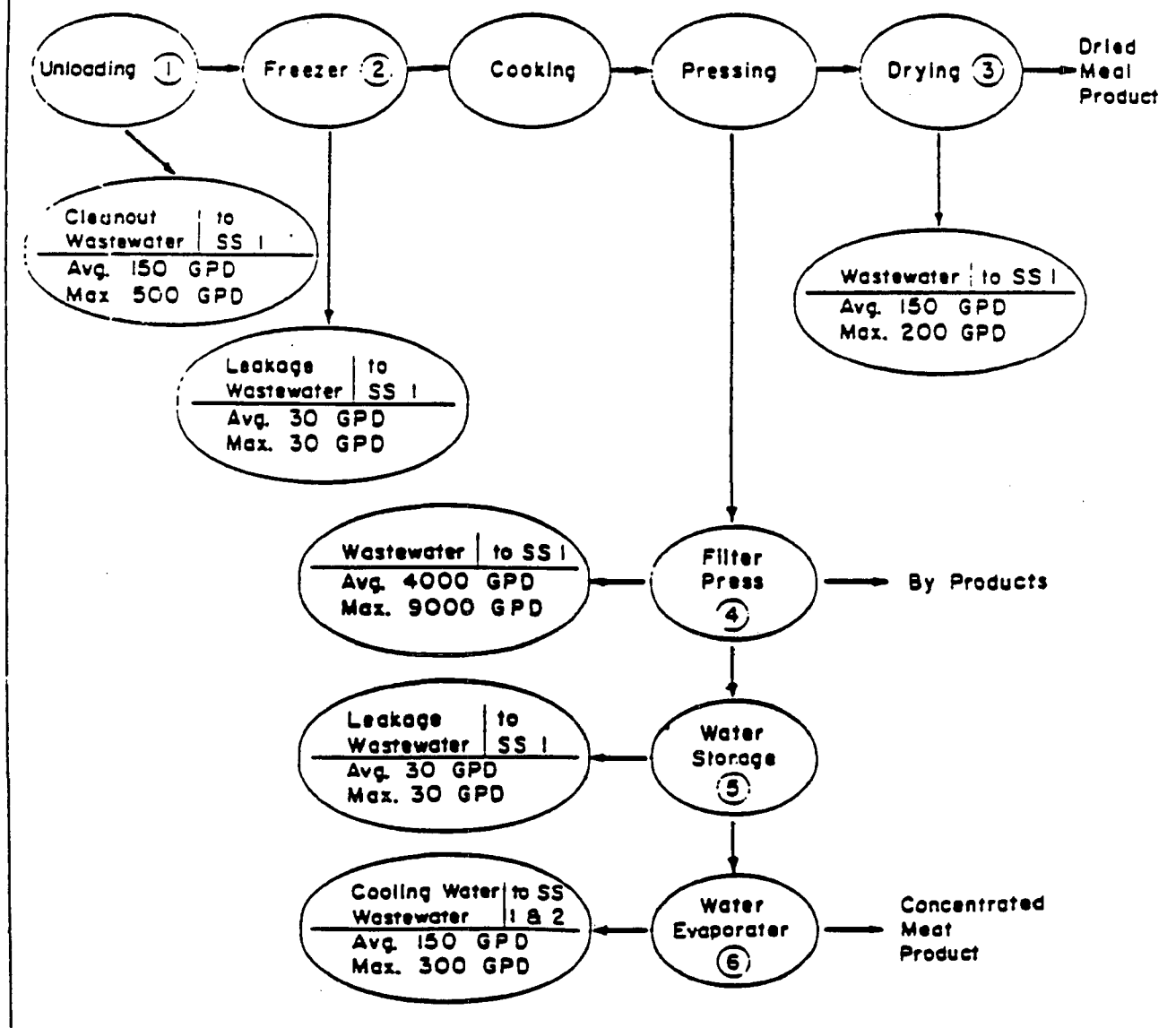
## PROCESS FLOW SCHEMATIC

Separate drawing should be completed for each major business activity.

A line drawing (schematic flow diagram) of each major business activity is to be completed in the space below or drawn on an attached sheet of paper (all sheets should be letter size). Number each process which generates wastewater using the same numbering as in the building layout or plant site plan shown in the building layout schematic. An example of drawing required is shown below in Figure 1.

To determine your average daily volume and maximum daily volume of wastewater flow, you may have to read water meters, sewer meters, or make estimates of volumes that are not directly measurable.

**FIGURE 1**  
**ACTIVITY: Meat Processing**



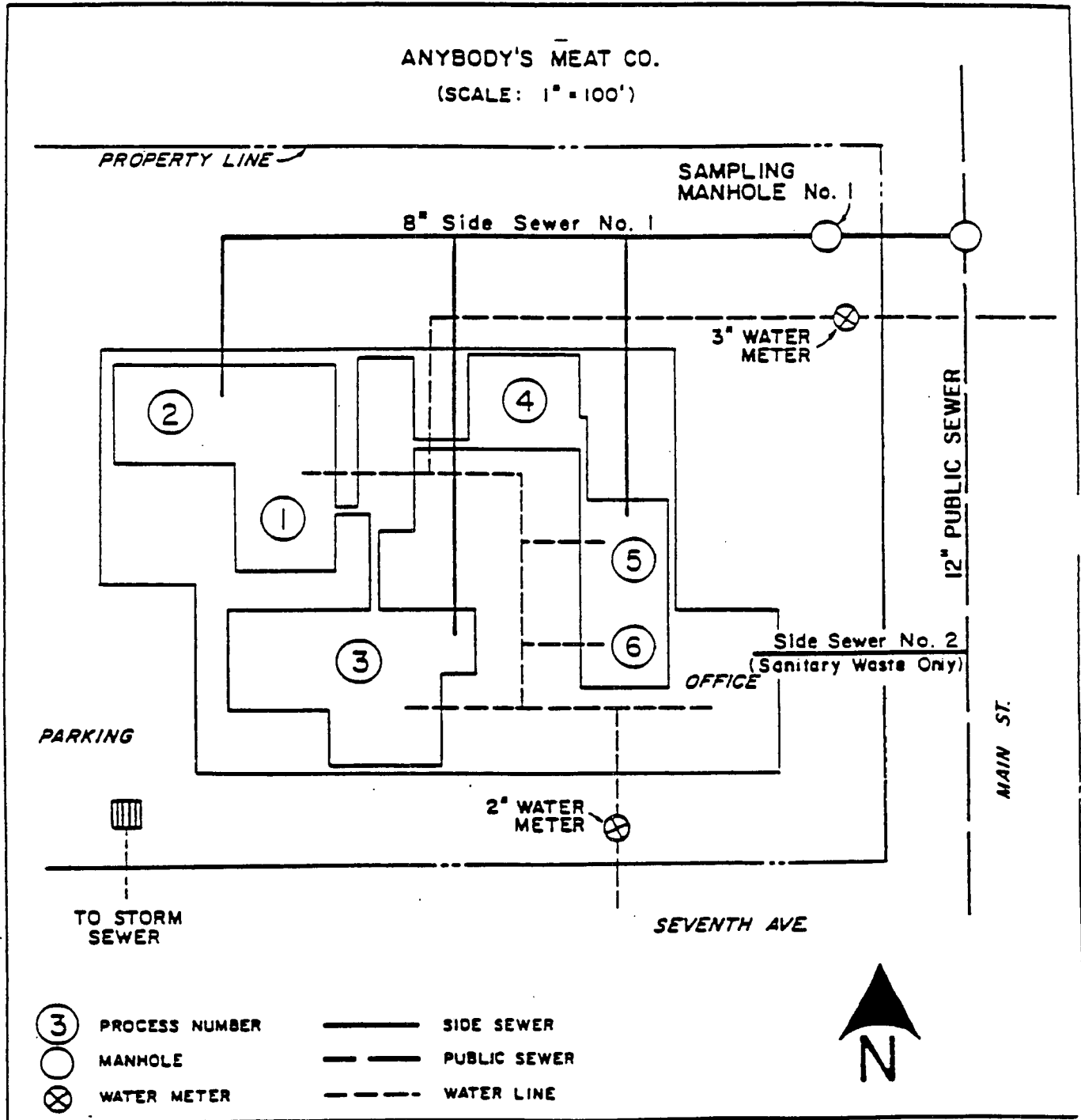
#### ATTACHMENT B-BUILDING LAYOUT

Draw to scale the location of each building on the premises. Show location of all water meters (current and planned), storm drains, numbered unit processes (from process schematic(s)), community sewers and each side sewer connected to the community sewers, automatic sampling equipment (current and planned), location of pretreatment processes, treated flows and untreated flows, name and location of pertinent streets. Use flow schematic to indicate process and process discharge in gpd. Number each side sewer and show possible sampling locations (sampling manhole).

An attached blueprint or drawing of the facilities showing the above items may be substituted for a drawing on this sheet. See example on the back.

Instructions

See example:





# MUNICIPAL PRETREATMENT PROGRAM

---



SOURCE CONTROL DIVISION  
BUREAU OF ENVIRONMENTAL SERVICES  
CITY OF PORTLAND

Job #0021

Koppers012842



CITY OF  
**PORTLAND, OREGON**  
BUREAU OF ENVIRONMENTAL SERVICES

Earl Blumenauer, Commissioner  
Mary T. Nolan, Director  
1120 S.W. 5th, Rm. 400  
Portland, Oregon 97204-1972  
(503) 796-7740  
FAX: (503) 796-6995

INDUSTRIAL WASTEWATER DISCHARGE

PERMIT APPLICATION

General Instructions

This form serves as a basis for Industrial Wastewater Discharge Permit Issuance. The City will be verifying data contained in the returned form through phone calls and site visits. Please take the time to fill out the form thoroughly and adequately. Enclosed are copies of the environmental survey submitted for your reference. All questions should be answered. (Process wastewater also includes such items as spent solvents and chemicals dumped down floor drains and sinks.)

- Section I      Water/Wastewater Data: completed by all users discharging or preparing to discharge process wastewater.
- Section II      Business/Facility Description: completed by all users discharging or proposing to discharge process wastewater.
- Section III      Permit Application Monitoring Form: to be completed by all industrial users. The Permit Application Monitoring Form satisfies Baseline Monitoring Requirements for categorical industrial users.
- Attachment A    Process schematic flow form
- Attachment B    Building layout form

Sections II and III contain specific instructions and examples to help you answer the questions. The instructions are located on the backside of the pages.

New Facilities Proposing to Discharge Wastewater:

Please supply as much information as possible, providing the best estimates where appropriate.

Categorical Users:

EPA has published specific federal standards called "categorical pretreatment standards." Industrial facilities covered by these standards are commonly termed "categorical users."

Compliance with Pretreatment Standards:

Industrial and commercial facilities that have or will have a process wastewater discharge are required to comply with federal standards and local standards (generally prohibitive and specific limits such as heavy metals and cyanide), whichever apply or are more stringent. In most cases, the City may not know which standards apply until it reviews the general information that you provide.

Leave Blank: City use only  
Date Received: \_\_\_\_\_

### GENERAL INFORMATION

Complete all applicable sections. Information must be typewritten or clearly printed. Attach requested information as needed. Signing official must have authorization to provide such information on behalf of the company, corporation, or partnership.

1. Company Name/Telephone number: K II 288-5681  
Division name: (if applicable) TAR PRODUCTS
2. Mailing Address: Street or P.O. Box: \_\_\_\_\_  
City, State, Zip Code: \_\_\_\_\_
3. Facility Address: (if different from mailing address)  
Street or P.O. Box: \_\_\_\_\_  
City, State, Zip Code: \_\_\_\_\_
4. Person to be contacted about this form:  
Name: ASK  
Address: same  
City, State, Zip Code: \_\_\_\_\_  
Title: PM  
Phone Number: 288-5681
5. Person to be contacted in case of an emergency:  
Name: ASK  
Address: \_\_\_\_\_  
City, State, Zip Code: \_\_\_\_\_  
Title: \_\_\_\_\_  
Phone Number: \_\_\_\_\_

#### Confidentiality

Please indicate those sections of this questionnaire that you wish to remain confidential and your basis for requiring confidentiality.

#### Qualified Professional Certification

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the Federal General Pretreatment Regulations and amendments thereto, and the City's Sewer Use Ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature Title Date Phone

#### Authorized Representative Statement

I certify under penalty of law that I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report. I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature Title Date Phone

Instructions

General Information

Note to Signing Official

Information must be typewritten or clearly printed. Attach additional sheets with section and item number indicated, if needed to provide complete information. Signing official must have authorization to provide such information on behalf of the company, corporation, or partnership. Please complete a form for each facility that discharges to the City sanitary sewer system. Additional copies can be obtained from the City. The address and phone number are provided below.

Please forward the completed form to the address shown below. If you have further questions, call the City at (796-7180).

Source Control Management  
City of Portland  
Bureau of Environmental Services  
1120 SW 5th Ave  
Portland, OR 97204

1. Enter the name or title of your business.
3. Enter facility address where discharge occurs, if different than mailing address.
4. Give the name of the person who is thoroughly familiar with the facts reported on this form and who can be contacted by the City staff.

Note:

1. The Qualified Certification pertains to the actual preparer of the report if different from the authorized representative.
2. The Authorized Representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

## Section I--Water/Wastewater Data

1. **Water use and distribution**--Estimate the average quantity of water received and wastewater discharged daily (for new businesses, estimate flows).

	Supply From (gal/day)		Discharged To (gal/day)	
	City Water	Other Source	Sanitary Sewer	Other
Water Used for:				

### Sanitary

Processes (see No. 10 for categorical users)

### Boiler/Cooling Tower

### Cooling Water Contact

Washing (equipment washdown)

### Irrigation

## Air Pollution Control

### Surface Water

### Water Hauler

Other(Describe)

**Total:**

Water Account Number \_\_\_\_\_

2. Are, or will, the discharges be continuous [ ] or batch [ ]?

3. If batch discharge occurs or will occur, indicate:

- (a) Percent processing as batch \_\_\_\_\_

- (b) Percent processing as continuous \_\_\_\_\_

- (c) Number of batch discharges \_\_\_\_\_ at \_\_\_\_\_  
(per week) (hours per discharge)

- (d) Average quantity per batch \_\_\_\_\_ gallons

- (e) Flow rate \_\_\_\_\_ gallons/minute

- #### 4. Discharge Period

- (a) Hours of Day Operated or planned: M T W Th F Sat Sun

- (b) Duration of Discharge (hrs/day):    M    T    W    Th    F    Sat    Sun

- ## 5. Variation of Operation

Is the business or proposed activity:

Continuous through the year [ ], or

Seasonal [ ]—Circle the months of the year during which discharge occurs:

J F M A M J J A S O N D

6. **Process flow schematic:** draw appropriate diagram(s) using the form in Attachment A.

7. **Building layout:** Draw layout of building using Attachment B.



Instructions

Section I—Water/Wastewater Data

PROVIDE CALCULATIONS TO SUPPORT ALL FIGURES IN TABLE 1.

1. **Water Use and Distribution**—Provide the daily average flows of water received and wastewater discharged in gallons per day for the last 12 months by dividing the total flows by the number of days that a discharge of water occurred (or operating day). For the water that is received from other than Water District services or discharged to other than community sanitary sewers, enter the location in the column headed "Source" or "Discharge To." Other source locations can include wells and rivers. Other discharge locations can include storm sewers, dry wells and receiving streams. Hourly and daily water supply meter readings may be used, provided the filling and discharge of storage tanks, process vats, etc., are taken into consideration.

For estimating sanitary flow use, 35 gallons for each employee.

Categorical users: Complete item 10 for providing flows for each of the regulated processes (process lines).

2. A batch discharge is one which results from the draining of storage tanks or process tanks: intermittent boiler blowdown, etc.
4. **Discharge Period:**
  - (a) Enter the hours of the day for each day, during which waste from this Business Activity will be discharged to the sewer: e.g., from 6 a.m. to 5 p.m.
  - (b) Enter the time and duration of discharge other than continuous flows (15 minutes every hour).
5. **Variation in Operation:**

Indicate whether the business activity is continuous throughout the year or if it is seasonal. If the activity is seasonal, circle the months of the year during which discharge occurs. Make any comments you feel are required to describe the variation in operation of your business activity.
6. Go to Attachment A for form, instructions, and examples.
7. Go to Attachment B for form, instructions, and examples.

Section I--Water/Wastewater Data

8. List existing or proposed plant sewer outlets, size, and flow (assign sequential reference number to each sewer starting with No. 1, see Attachments A and B):

<u>Reference No.</u>	<u>Sewer Size (inches)</u>	<u>Descriptive location of sewer connection or discharge point</u>	<u>Daily Avg. flow (gal/day)</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

9. General characteristic of wastewater or proposed wastewater discharge: (provide specific values for a. b. d. e. f. if known)

- (a) Temperature: \_\_\_\_\_ Don't know \_\_\_\_\_  
 (b) pH level: \_\_\_\_\_ Don't know \_\_\_\_\_  
 (c) Flammable or explosive materials: Yes ☐ No ☐ Don't know ☐  
 (d) Fats, oils, and grease (mg/L): \_\_\_\_\_ Don't know ☐  
 (e) BOD (mg/L): \_\_\_\_\_ Don't know ☐  
 (f) TSS (mg/L): \_\_\_\_\_ Don't know ☐  
 (g) Solid or viscous material Yes ☐ No ☐ Don't know ☐  
 (h) Toxics: Yes ☐ No ☐ Don't know ☐ \*\*\* REVIEW ENVIRONMENTAL SURVEY B ATTACHMENT "A".  
 (i) Solvents: Yes ☐ No ☐ Don't know ☐

10. For categorical facilities, provide the following flows for each of your regulated processes or proposed regulated process (i.e., manufacturing process line covered by categorical pretreatment standards).

- (a) Total Plant Flow in Gallons Per Day (gpd) discharged to the sewer system:

Average \_\_\_\_\_ Maximum \_\_\_\_\_

- (b) Individual Process Flows in Gallons Per Day (gpd):

<u>No.</u>	<u>Regulated Process</u>	<u>Average flowrate (gpd)</u>	<u>Maximum flowrate (gpd)</u>	<u>Type of Discharge (batch, continuous, none)</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

11. Is an inspection and sampling manhole structure available onsite? Yes ☐ No ☐

- If yes, provide location below and include as part of the process flow schematic (see Attachment O).
- Location description:
- If no, is one planned? Yes ☐ No ☐

12. Do you or plan to have automatic sampling equipment or continuous wastewater flow metering equipment currently in use or included in future plans?

Current: Sampling Equipment Yes ☐ No ☐ N/A ☐ Flow Metering Yes ☐ No ☐ N/A ☐  
 Planned: Sampling Equipment Yes ☐ No ☐ N/A ☐ Flow Metering Yes ☐ No ☐ N/A ☐

If so, please indicate the present or future location of this equipment on the sewer schematic and describe the equipment below:

13. Does your facility pretreat or plan on pretreating any wastewater prior to discharge to a sanitary sewer?

Yes ☐ No ☐ N/A ☐

Instructions

Section I--Water/Wastewater Data

No Instructions for items 8.-13.

Section II-Business/Facility Description

**PURPOSE**—The business description is primarily used to determine the substances which may enter into the wastewater discharge from the business activity.

1. Business activity—(Complete a separate sheet for each major or proposed business activity or product line on premises.)

Activity: \_\_\_\_\_ SIC Nos.: \_\_\_\_\_

(a) Raw materials used or planned for use:

(b) Chemicals used or planned for use:

(c) Product (new businesses provide best estimates):

Type of Product (Brand Names)	<u>Past Calendar Year</u>		<u>Estimate This Calendar Year</u>	
	<u>Amounts Per Day (Daily Units)</u>		<u>Amounts Per Day (Daily Units)</u>	
	<u>Average</u>	<u>Maximum</u>	<u>Average</u>	<u>Maximum</u>

(d) Description—Describe each wastewater generating or proposed operations or manufacturing process. Indicate variations in production and operations during the year. (Use additional sheets as necessary.)

(e) Substances Discharged—Give common and technical names of each major raw material and product that may be discharged to the sewer. Briefly describe the physical and chemical properties of each substance and products. (use additional sheets if necessary.)

NAME

DESCRIPTION

## Instructions

### Section II—Business/Facility Description

1. **Business Activity**—Describe the principal activity on the premises. For the purpose of completing this Part, an activity is a major class of manufacturing. Enter the Standard Industrial Classification (SIC) Code Number, as found in the 1972 Edition of Standard Industrial Classification Manual prepared by the Executive Office of the President, Office of Management and Budget, which is available from the Government Printing Office at Washington, D.C., or at San Francisco, California. DO NOT USE PREVIOUS EDITIONS OF THE MANUAL. Copies are also available for examination at most public libraries. If you do not know, leave SIC No. blank.
  - (a) & (b) If not already provided in Attachment C, list all primary raw materials and chemicals used in the facility's operations. Avoid use of trade names of chemicals. If trade names are used, provide information regarding the active ingredients.
  - (c) **Product**—List the types of products, giving the common or brand name and the proper or scientific name. Enter from your records the average and maximum amounts produced daily for the activity for the previous calendar year, and the estimated daily production for this calendar year. Attach additional pages if necessary.
  - (d) **Description**—Describe the wastewater generating process occurring on the premises, including any seasonal variation in wastewater discharge volumes, plant operations, raw materials, and chemicals used in process and/or production.
  - (e) **Substances discharged**—Give common (brand names) and technical names (chemical, scientific or proper names) of each raw material and product that may be discharged to the sewer. Briefly describe the physical, (e.g., color) and chemical, (e.g., reacts with water) properties of each substance.

### Instructions for Completing Section III

The remaining section will facilitate the collection of the necessary quantitative wastewater information to assist the City in establishing applicable pretreatment limits and requirements. NONCATEGORICAL FACILITIES are required to complete Section III, PART A ONLY. CATEGORICAL FACILITIES covered by federal categorical pretreatment standards ("categorical users") are required to complete Section III PARTS A and B.

#### Section III-Permit Application Monitoring Report: PARTS A and B

Section III PART A is to be completed by all facilities.

Section III PART B is additionally required for categorical industries.

---

#### Note:

New Facilities (categorical and noncategorical): new businesses moving into existing facilities and new business proposing to construct a new building. No discharge of process wastewaters has occurred. However, supply as much information as possible providing best estimates where appropriate.

Contact the City if there are any questions on what limits apply to the discharge, what pollutants to sample, sampling requirements, and where to take samples. The general instructions on the back of the form provide general information on sampling.



Section III--Permit Application Monitoring

**PART A: NON-CATEGORICAL INDUSTRIES**

Note: Samples should be taken of the final effluent prior to discharge to the City's collection system. If there is more than one discharge of process wastewater to the City's sewer lines, xerox off this page and supply the analytical results for multiple discharges.

1. Existing Noncategorical Facility (report results in concentrations (mg/L) or mass (lbs))
  - (a) Each noncategorical facility will sample, have analyzed, and report on all pollutants as specified by the City. Samples collected must be representative and taken during peak production. Where mass limits apply, the facility must report results on a mass limit basis [concentration (x) regulated process flow]. Attach all calculations.
2. New Noncategorical Facility
  - (a) Supply as much information as possible providing best estimates where appropriate.

ANALYTICAL RESULTS OF PROCESS WASTEWATER DISCHARGES

Pollutant

Monthly Avg. Limit

Reported Average

Daily Max. Limit

Reported Maximum

1. Specify units used (mg/L or lb): \_\_\_\_\_
2. Sample type (grab, composite): \_\_\_\_\_
3. Number of samples collected (explain): \_\_\_\_\_
4. Dates and times samples collected: \_\_\_\_\_
5. Sample collection location: \_\_\_\_\_
6. Where samples analyzed: \_\_\_\_\_
7. Methods of analyses: \_\_\_\_\_
8. Provide name and address of commercial labs who are performing analysis:  

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_



Instructions

Section III--Permit Application Monitoring

**PART A: NON-CATEGORICAL INDUSTRIES**

To be completed by noncategorical users. Attach additional sheets if needed. Contact the City before sampling, if not sure of pretreatment standards, sampling protocols.

1(a) Pollutants--List across the top specific pollutants (use abbreviations) regulated in the City code. Example: Copper - Cu.

- Daily Maximum and Monthly Average - Refer to the City code for pretreatment standards for the specific pollutant. Most cities have daily maximum pretreatment standards (limits), and not monthly averages.

Example: Daily maximum (Copper - Cu = 2 mg/L)  
Monthly average (Zinc - Zn = 4 mg/L)

You would enter 2 under Cu and 4 under Zn.

- Reported maximum: Report the highest maximum concentration for the samples collected and analyzed.
- Reported average: If more than one sample was taken, average all the individual results and report the average in the spaces provided for each of the appropriate pollutants listed.
- Indicate type of samples (i.e., grab, flow proportioned composite, etc.), analytical methods, and number of samples taken. Indicate whether samples were taken of combined wastestreams. The industrial user must ascertain whether it can meet the pollutant standards. The type of discharge, i.e., batch, continuous, routine historical information (e.g., existing data pollutant discharge) etc, is a factor that should guide the industrial user regarding the number of samples to be taken to ascertain compliance. Where feasible, samples should be flow-proportional composites. Additionally, the time, date of sampling, and methods of analysis must be reported. Analytical methods must be performed in accordance with 40 CFR Part 136 and any amendments thereto. It is important that the samples be representative and taken during full production.

Each daily composite shall be analyzed separately.

2(a) New facilities have not begun to operate and/or discharge.

Section III—Permit Application Monitoring

**PART A: NON-CATEGORICAL INDUSTRIES**

1(b) Compliance certification:

Are all applicable pretreatment standards being met on a consistent basis?

Yes [ ] No [ ]

If not, what additional operations and maintenance procedures are being considered for compliance? Also, list additional pretreatment being considered to meet standards.

- (c) Provide a compliance schedule for standards to be met. Specify the major events along with corresponding dates. Note that this schedule will require comment by the City and will be subject to changes.

2. Qualified Professional Certification:

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature Title Date Phone

Authorized Representative Statement

I certify under penalty of law that I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature Title Date Phone

Instructions

Section III--Permit Application Monitoring Report

**PART A: NON-CATEGORICAL INDUSTRIES**

1(b) Compare the sample results against local pretreatment standards provided by the City (contained in City code).

- Describe any additional O&M pretreatment and provide compliance schedule. Specify the major events needed to achieve compliance, as well as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contracts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided.

2. The certification pertains to the actual preparer of the report if different from the authorized representative.

The authorized representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

**PART B: CATEGORICAL USERS**

Section III--Permit Application Monitoring

1. Summarize Each Regulated Process:

Process Description	Production Rate	Pretreatment Standard Category	Subpart	Flow

Total plant flow: \_\_\_\_\_

2. Nature and Concentration of Pollutants (report concentrations in mg/L or mass in lbs):

a. Analysis of Regulated Flows

The industrial user must perform sampling and analysis of the effluent from all regulated process (after treatment, if applicable). Provide the analytical data for the regulated processes in the space provided below. Attach additional sheets if necessary (simply xerox the table and questions below). Only those pollutants specifically regulated by the applicable category need be reported. Refer to backside for further instructions on where to take samples and how many samples to take. If the effluent samples were taken at one combined point, indicate alongside the regulated process line what process flows are commingled at this point.

Regulated Process line(s): \_\_\_\_\_

Process Flow(s) (Daily ave. in mgd): \_\_\_\_\_

ANALYTICAL RESULTS OF PROCESS WASTEWATER DISCHARGES

Pollutant

Monthly Avg. Limit

Reported Average

Daily Max. Limit

Reported Maximum

b. Sample type (grab, composite): \_\_\_\_\_

c. Number of samples collected (explain): \_\_\_\_\_

d. Dates and times samples collected: \_\_\_\_\_

e. Sample collection location: \_\_\_\_\_

f. Where samples analyzed: \_\_\_\_\_

g. Methods of analyses: \_\_\_\_\_

h. Provide name and address of commercial labs performing analyses:

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Name: \_\_\_\_\_ Address: \_\_\_\_\_

## Instructions

### Section III—Permit Application Monitoring

#### PART B: CATEGORICAL USERS

1. List each regulated process, the production rate (i.e., 10,000 lbs. of (product name/unit time-week, month, year), the category, and subpart of the applicable Categorical Pretreatment Standard as well as the SIC code for each process.
2. Each industrial user will sample, analyze, and report on all pollutants regulated specific to each process (refer to appropriate subcategory in regulations for regulated pollutants). Where mass limits exist, the facility will have to report results in mass limits (concentration  $\times$  regulated process flow in million gallons/day  $\times$  8.34). The BAT pretreatment standards are process-related. That is, a facility must comply with the standard at the end-of-the regulated process. However, EPA recognizes that many facilities combine their wastewater process lines, cooling H<sub>2</sub>O, and sanitary discharge prior to treatment and discharge to municipal sewers. Hence, a facility can sample at a combined point, but will need to adjust the categorical limit it must meet by (i.e., calculate adjusted limits) employing the Combined Wastestream Formula that is contained in Section 403.6(e) of the General Pretreatment Regulations (Federal Register January 28, 19810. If this is the case with your facility, you must employ the formula and provide additional data for calculations. Contact the City for more guidance. Insert in the table the regulated pollutant (use abbreviations), the published average and maximum numerical limit for the particular pollutant found in the regulation, or adjusted limits as calculated by use of the combined wastestream formula, and the results of the sampling (average and maximum values).

Indicate type of samples (i.e., grab, flow proportioned composite, etc.), analytical method, and number of samples taken. Indicate whether samples were taken of combined wastestreams. The industrial user must ascertain whether it can meet the 30-day average, calculated average, daily maximum, or calculated maximum limit. The type of discharge, i.e., bath, continuous, routine historical information (e.g., existing data pollutant discharge) etc., is a factor that should guide the industrial user regarding the number of samples to be taken to ascertain compliance. Where feasible, samples should be flow-proportional composites. Additionally, the time, date of sampling, and 40 CFR Part 136 and any amendments thereto. It is important that the samples be representative and taken during full production. Minimum sampling requirements are:

Process flows less than 250,000 gpd—3 samples within 2-week period

Process flows greater than 250,000 gpd—6 samples within 2-week period

**PART B: CATEGORICAL USERS**

## 4. Total Toxic Organics (TTOs):

Facilities who use toxic organics listed by EPA in its published categorical pretreatment standards are required to meet TTO pretreatment standards and must initially sample for TTO and determine compliance. Facilities found to be in compliance with TTO standards can develop a solvent management plan in lieu of having to periodically sample for toxic organics. If you do not use toxic organics in your manufacturing process, you will not be required to sample for TTO but you must answer question "A" below.

- (a) We presently do not or plan to use any of the toxic organics that are listed under the TTO standard located in the applicable categorical pretreatment standards published by EPA. ☐
- (b) We presently use or plan to use organic toxicants listed in the categorical pretreatment standards. ☐ Complete Parts c and d.
- (c) A PAMF has previously been submitted which contains TTO information.  
Yes ☐ No ☐
- (d) A solvent management plan has been developed and is attached.  
Yes ☐ No ☐

## 5. Compliance Certification

- (a) Is the facility meeting applicable categorical pretreatment standards on a consistent basis?  
Yes ☐ No ☐
- (b) If no, do you require:
  - (1) Additional operation and maintenance (O&M) to achieve compliance? Yes ☐ No ☐
  - (2) New or additional pretreatment facilities to achieve compliance? Yes ☐ No ☐
- (c) If additional O&M or new or additional pretreatment will be required to meet categorical pretreatment standards on a consistent basis, attach a description of it and a schedule on separate sheets. Project increments of progress indicating dates for the commencement and completion of major events leading to compliance with the standard. Note: The final compliance date in this schedule shall not be later than the compliance date for the applicable pretreatment standard. Written progress reports are required within 14 days of each of the compliance dates specified in the compliance schedule.
- (d) \_\_\_\_\_ I have provided a compliance schedule.

Qualified Professional Certification:

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Phone

Authorized Representative Statement:

I certify under penalty of law that I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report. I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

\_\_\_\_\_  
Name (print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Phone

Instructions

Section III--Permit Application Monitoring

PART B: CATEGORICAL USERS

4. Facilities covered by a TTO pretreatment standard must initially sample for TTO and determine compliance. Analyses only have to be performed on toxic organics present. Contact City for list of toxics applicable to your operations.
- 4(a) Facilities that utilized none of the toxic organics can provide a certification statement in lieu of having to monitor for toxics.
- 4(d) Facilities whose sampling results indicate compliance with TTO standards can develop a solvent management plan in lieu of having to periodically sample for toxic organics. Contact the City of guidance.
- 5(a) In order to determine compliance with published or calculated mass-based categorical standards, a facility will need to compare its allowable mass limit (e.g., Pb =  $\frac{.00261 \text{ lbs}}{1,000 \text{ lbs}} \times 200 \text{ lbs of steel produced} = 0.533 \text{ lb}$ ) against the actual mass loading derived from sampling (i.e., conc. x regulated process flows x 8.34 = lbs discharged). If categorical standards are published in concentration, then a facility only needs to compare the concentration of its effluent against the regulated standards for the particular pollutant.
- 5(c) Describe any additional O&M or pretreatment and attach a compliance schedule. Specify the major events needed to achieve compliance, as well as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contracts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided.
6. The certification pertains to the actual preparer of the report if different from the authorized.

The authorized representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

ATTACHMENT A

ATTACHMENT A-SCHEMATIC FLOW DIAGRAM

For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from start to completed activity, showing all unit processes generating wastewater. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing this unit process in the building layout in schematic. Use the space below or additional sheets of 8x11 paper. An example is provided on the backside.



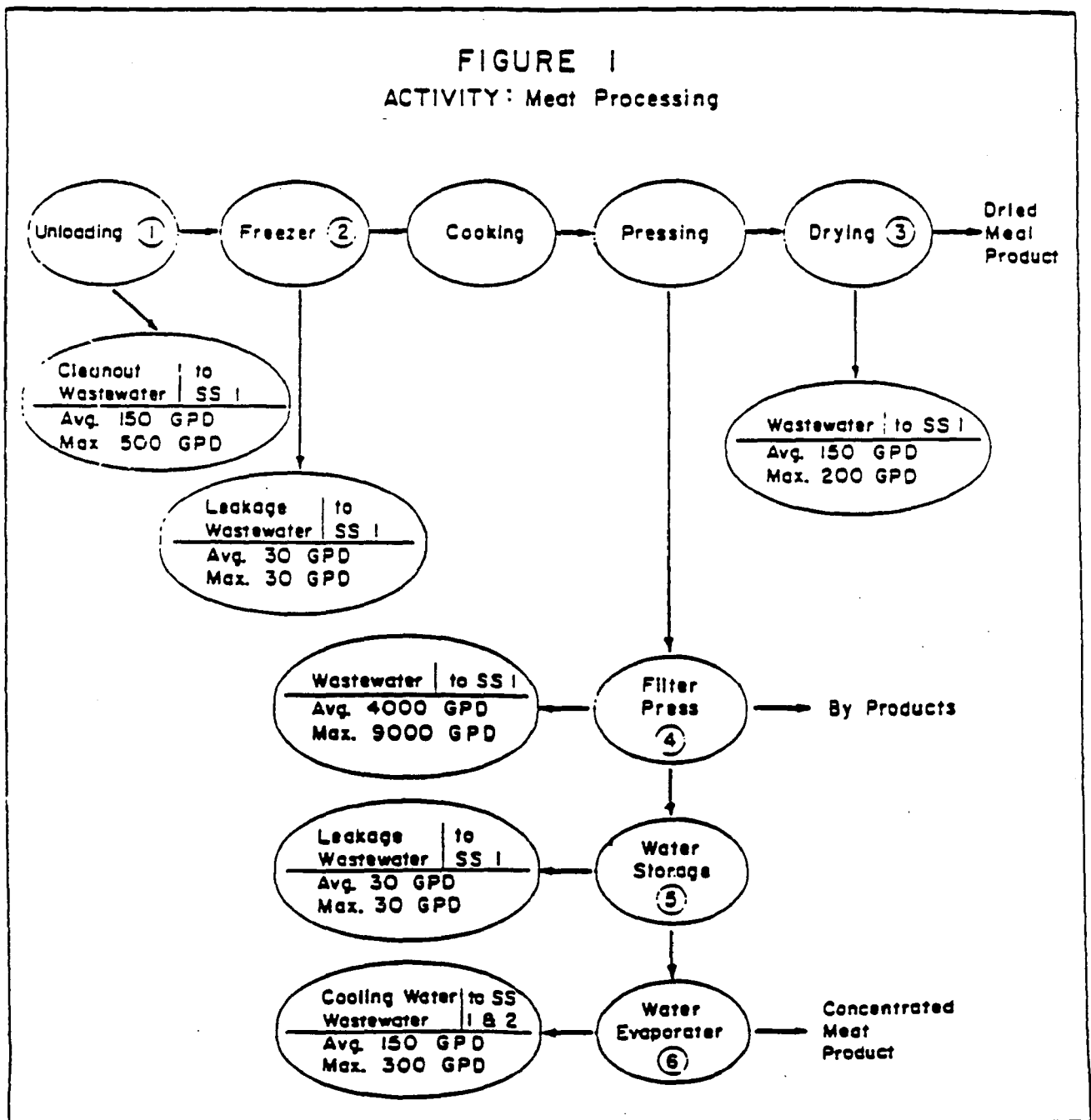
## Instructions

### PROCESS FLOW SCHEMATIC

Separate drawing should be completed for each major business activity.

A line drawing (schematic flow diagram) of each major business activity is to be completed in the space below or drawn on an attached sheet of paper (all sheets should be letter size). Number each process which generates wastewater using the same numbering as in the building layout or plant site plan shown in the building layout schematic. An example of drawing required is shown below in Figure 1.

To determine your average daily volume and maximum daily volume of wastewater flow, you may have to read water meters, sewer meters, or make estimates of volumes that are not directly measurable.



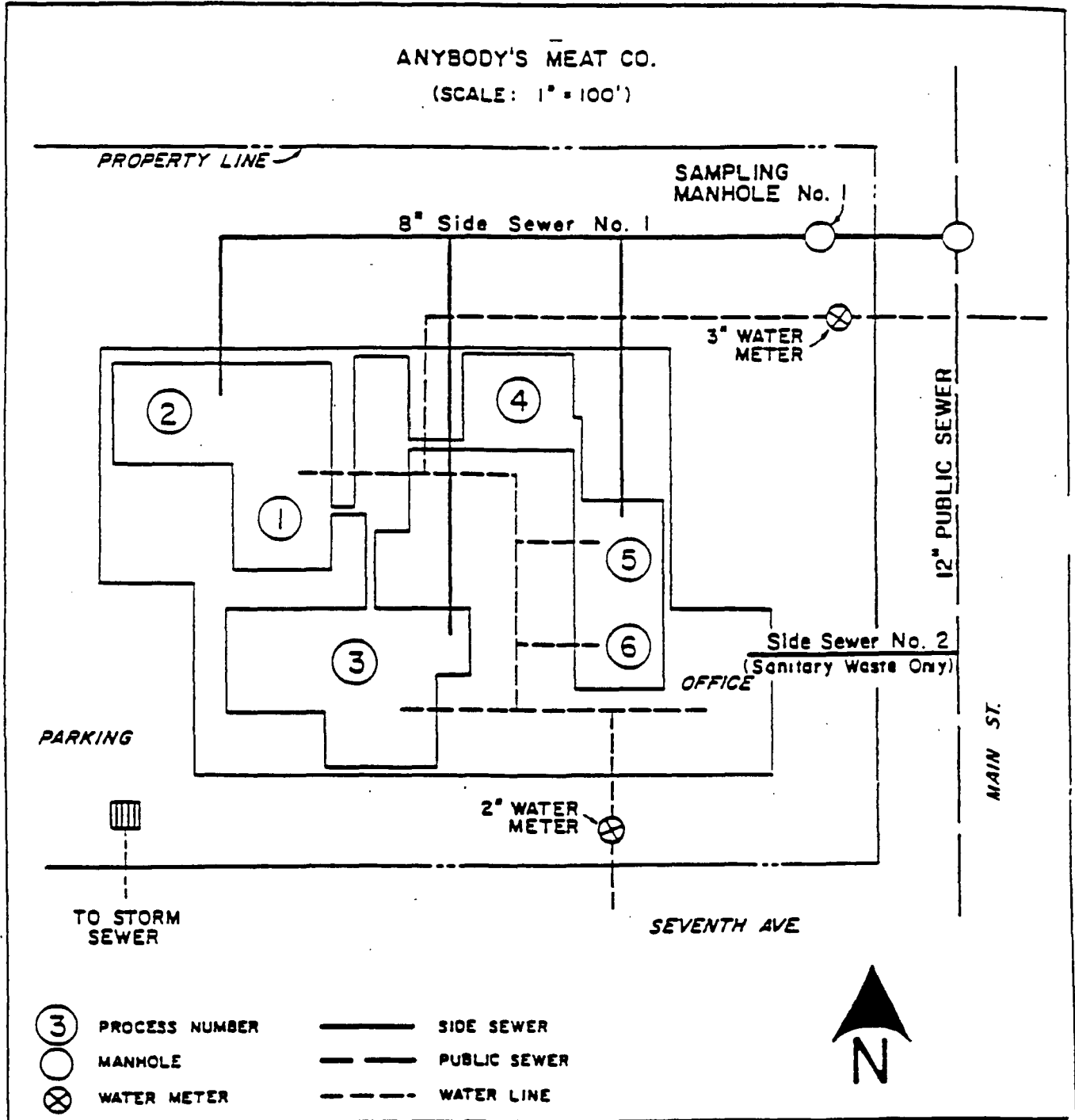
#### ATTACHMENT B-BUILDING LAYOUT

Draw to scale the location of each building on the premises. Show location of all water meters (current and planned), storm drains, numbered unit processes (from process schematic(s)), community sewers and each side sewer connected to the community sewers, automatic sampling equipment (current and planned), location of pretreatment processes, treated flows and untreated flows, name and location of pertinent streets. Use flow schematic to indicate process and process discharge in gpd. Number each side sewer and show possible sampling locations (sampling manhole).

An attached blueprint or drawing of the facilities showing the above items may be substituted for a drawing on this sheet. See example on the back.

Instructions

See example:



PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
NAME KOPPERS INDUSTRIES, INC.  
ADDRESS 7540 NW ST. HELENS RD.  
PORTLAND, OR 97210

FACILITY NW TERMINAL  
LOCATION MULTNOMAH CO.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

101003  
PERMIT NUMBER

001  
DISCHARGE NUMBER

3077-J

Form Approved.  
OMB No. 2040-0004  
Approval expires 05-31-98

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
97	06	01		97	06	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

47430

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)									
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS												
FLOW	SAMPLE MEASUREMENT	3667		GPD					N/A	1/30	EST.									
	PERMIT REQUIREMENT																			
TEMP.	SAMPLE MEASUREMENT				64	64	64	°F	0	1/30	GRAB									
	PERMIT REQUIREMENT				N/A	N/A	N/A													
PH	SAMPLE MEASUREMENT				7.1	7.1	7.1	SU	0	1/30	GRAB									
	PERMIT REQUIREMENT				6.0	N/A	9.0													
OIL & GREASE	SAMPLE MEASUREMENT				8.5	8.5	8.5	MG/L	0	1/30	GRAB									
	PERMIT REQUIREMENT				N/A	10	15													
PHENOLS	SAMPLE MEASUREMENT				.24	.24	.24	MG/L	0	1/30	GRAB									
	PERMIT REQUIREMENT				N/A	.5	.7													
	SAMPLE MEASUREMENT																			
	PERMIT REQUIREMENT																			
	SAMPLE MEASUREMENT																			
	PERMIT REQUIREMENT																			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE		DATE									
R.D. COLLINS, VP																				
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							503	286-3681	97	07	07							
									AREA CODE	NUMBER	YEAR	MO	DAY							
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)																				



# CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.  
7540 NW ST. HELENS ROAD  
PORTLAND OR 97210-3663

PHONE: (503) 286-3681  
FAX: (503) 285-2831

DATE SUBMITTED: 06/03/97

PO#:

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
970774-001-01		06/03/97	1500	WASTE WATER FROM TANKS 1, 3, & 5
970774-001-02		06/03/97	1500	WASTE WATER FROM TANKS 1, 3, & 5


REPORT DATE: 06/05/97

REPORT NUMBER: 970774

PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTEWATER FROM TANKS 1,3,5						
970774-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	8.5	PPM	2	Gordon L.
970774-001-02	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.24	PPM	0.05	Dick R.

REVIEWED BY:

  
Richard D. Reid - Laboratory Director

COPY

Columbia Inspection, Inc. 7133 N Lombard St. - Portland, OR 97203 (503) 286-9464 Fax (503) 286-5355

Koppers012867

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
NAME KOPPERS INDUSTRIES, INC.

ADDRESS 7540 NW ST. HELENS RD  
PORTLAND, OR 97210

FACILITY NW TERMINAL

LOCATION MULTNOMAH CO.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

101003

PERMIT NUMBER

001

DISCHARGE NUMBER

3077-J

47430

Form Approved.

OMB No. 2040-0004

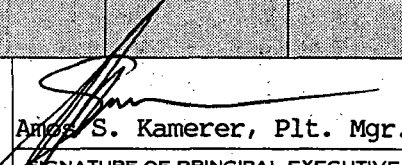
Approval expires 10-31-94

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY  
97 05 01 97 05 31  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			(54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
FLOW	SAMPLE MEASUREMENT	10645		GPD						N/A	9/31	EST.	
	PERMIT REQUIREMENT												
TEMP.	SAMPLE MEASUREMENT				61	62	62	°F	0	9/31	GRAB		
	PERMIT REQUIREMENT				N/A	N/A	N/A						
PH	SAMPLE MEASUREMENT				6.8	6.8	6.9	SU	0	9/31	GRAB		
	PERMIT REQUIREMENT				6.0	N/A	9.0						
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	4.0	9.8	MG/L	0	9/31	GRAB		
	PERMIT REQUIREMENT				N/A	10	15						
PHENOLS	SAMPLE MEASUREMENT				N.D.	.05	.08	MG/L	0	9/31	GRAB		
	PERMIT REQUIREMENT				N/A	.5	.7						
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 Andrew S. Kamerer, Plt. Mgr.	TELEPHONE		DATE		
R.D. COLLINS, VP			503	286 3681	97	06	09
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

A "Round Robin" PAH analysis was run between 2 laboratories -- results are attached



### Analytical Data

Koppers Industry

Job Number: 970509Y

Page Number: 2 of 2

Lab Sample ID: 970509Y-1

Field ID: WWTKS 1,3,5

Date/Time: 05/05/97 0900

Matrix: Waste Water

RECEIVED

MAY 22 1997

KOPPERS INDS., INC.  
PORTLAND, OR

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 05/12/97

Analyst: VB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	50.	ND	ND
Acenaphthylene	50.	ND	ND
Anthracene	5.	ND	ND
Benzo(a)anthracene	0.5	ND	3.4
Benzo(a)pyrene	2.	ND	5.
Benzo(b)fluoranthene	0.5	ND	7.6
Benzo(g,h,i)perylene	2.	ND	8.
Benzo(k)fluoranthene	0.5	ND	2.5
Chrysene	5.	ND	ND
Dibenzo(a,h)anthracene	2.	ND	ND
Fluoranthene	5.	ND	10
Fluorene	25.	ND	ND
Indeno(1,2,3-cd)pyrene	2.5	ND	ND
Naphthalene	25.	ND	ND
Phenanthrene	25.	ND	ND
Pyrene	5.	ND	9.

Results expressed as  $\mu\text{g/l}$  unless otherwise noted.

ND means none detected at or above the detection limit listed.

45.5 ug/L

Coffey Laboratories, Inc.

12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Koppers012869



# CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.  
7540 NW ST. HELENS ROAD  
PORTLAND OR 97210-3663

PHONE: (503) 286-3681  
FAX: (503) 285-2831

DATE SUBMITTED: 05/08/97

PO#:

PROJECT NAME: QUARTERLY PAH ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
970654-001-01		05/05/97	0930	WASTE WATER GRAB SAMPLE FROM WWTKS 1,3,& 5

REPORT DATE: 05/12/97

REPORT NUMBER: 970654

PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER GRAB SAMPLE FROM WWTKS 1,3,& 5						
	PNAH 1	ACENAPHTHENE	0.0084	PPM	0.00005	Jacob F.
	EPA 8270M (SIM)	ACENAPHTHYLENE	0.00026	PPM	0.00005	
		ANTHRACENE	0.0019	PPM	0.00005	
		BENZO(A)ANTHRACENE	0.0076	PPM	0.00005	
		BENZO(A)PYRENE	0.0031	PPM	0.0005	
		BENZO(B)FLUORANTHENE	0.0077	PPM	0.0005	
		BENZO(GHI)PERYLENE	0.0042	PPM	0.0005	
		BENZO(K)FLUORANTHENE	0.0077	PPM	0.0005	
		CHRYSENE	0.0076	PPM	0.00005	
		DIBENZO(AH)ANTHRACENE	<0.0005	PPM	0.0005	
		FLUORANTHENE	0.012	PPM	0.00005	
		FLUORENE	0.0058	PPM	0.00005	
		INDENO(1,2,3-CD)PYRENE	0.0025	PPM	0.0005	
		NAPHTHALENE	0.00035	PPM	0.00005	
		PHENANTHRENE	0.0040	PPM	0.00005	
		PYRENE	0.011	PPM	0.00005	

SURROGATE

OBSCURED %RECOVERY 50%-150%

84.61 ug/L

RECEIVED

MAY 14 1997

KOPPERS INDS., INC.  
PORTLAND, OR

REVIEWED BY:

Martin Little - Laboratory Manager

COPY

Columbia Inspection, Inc. 7133 N Lombard St. - Portland, OR 97203 (503) 286-9464 Fax (503) 286-5355

Koppers012870





RECEIVED

MAY 22 1997

KOPPERS INDS., INC.  
PORTLAND, OR

Amos Kamerer  
Koppers Industry  
7540 NW St. Helens Rd.  
Portland, OR 97210-3663

Report Date: May 16, 1997  
Job Number: 970509Y  
PO Number: Verbal - Amos Kamerer  
Project No: None Provided  
Project Name: None Provided

### Analytical Narrative

The sample was received on 05/09/97 by Coffey Laboratories, Inc. (CLI) Sample Reception personnel under strict chain of custody protocol. The following information was provided at the time of sample reception:

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
970509Y-1	WWTKS 1,3,5	Waste Water	05/05/97	0900

The recommended holding time for each batch of analyses was in accordance with the data quality objectives as specified in the CLI Quality Assurance Plan unless otherwise noted.

Acceptable precision and accuracy were achieved for all analyses associated with this work order as demonstrated by the recoveries of the quality control samples analyzed concurrently with each batch.

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance, please do not hesitate to call our Customer Services Department.

Sincerely,

Technical Services

TS /atc

**Coffey Laboratories, Inc.**

12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Koppers012871



### Analytical Data

Koppers Industry

Job Number: 970509Y

Page Number: 2 of 2

Lab Sample ID: 970509Y-1

Field ID: WWTKS 1,3,5

Date/Time: 05/05/97 0900

Matrix: Waste Water

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 05/12/97

Analyst: VB

RECEIVED

MAY 22 1997

KOPPERS INDS., INC.  
PORTLAND, OR

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	50.	ND	ND
Acenaphthylene	50.	ND	ND
Anthracene	5.	ND	ND
Benzo(a)anthracene	0.5	ND	3.4
Benzo(a)pyrene	2.	ND	5.
Benzo(b)fluoranthene	0.5	ND	7.6
Benzo(g,h,i)perylene	2.	ND	8.
Benzo(k)fluoranthene	0.5	ND	2.5
Chrysene	5.	ND	ND
Dibenzo(a,h)anthracene	2.	ND	ND
Fluoranthene	5.	ND	10
Fluorene	25.	ND	ND
Indeno(1,2,3-cd)pyrene	2.5	ND	ND
Naphthalene	25.	ND	ND
Phenanthrene	25.	ND	ND
Pyrene	5.	ND	9.

Results expressed as  $\mu\text{g/l}$  unless otherwise noted.

ND means none detected at or above the detection limit listed.

**Coffey Laboratories, Inc.**

12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Koppers012872

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME KOPPERS INDUSTRIES, INC.

ADDRESS 7540 NW ST. HELENS RD  
PORTLAND, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

101003

PERMIT NUMBER

001

DISCHARGE NUMBER

3077-J  
47430

Form Approved.

OMB No. 2040-0004

Approval expires 10-31-94

FACILITY NORTHWEST TERMINAL

LOCATION MULTNOMAH CO.

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY  
97 04 01 97 04 30  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	14,667		GPD					N/A	12/30	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				54	57	59	F°	0	12/30	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.9	7.0	7.1	SU	0	12/30	GRAB
	PERMIT REQUIREMENT				6.0	N/A	9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	1.6	3.8	mg/L	0	12/30	GRAB
	PERMIT REQUIREMENT				N/A	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	.08	.17	mg/L	0	12/30	GRAB
	PERMIT REQUIREMENT				N/A	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	APPOS S. KAMERER, Plt. Mgr.	TELEPHONE		DATE		
R.D. COLLINS, V.P.			503 286 3681	97 05 05			
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SECOND QUARTER PAH RESULTS ARE ATTACHED

# *Columbia Inspection, Inc.*

Member of ASTM & API

U.S. Customs Commercial Gauger and Laboratory

April 18, 1997

L970418A.KII

Mr. Amos Kameron  
Koppers Industries, Inc.  
7540 NW St. Helens Road  
Portland, OR 97210-3663

**RECEIVED**

APR 21 1997

KOPPERS INDS., INC.  
PORTLAND, OR

RE: The PAH Analysis of Wastewater Tanks 1,3,5 (03/06/97)

Dear Amos:

As per your request, I have again reviewed the PAH test which yielded total toxic organic levels of 1.6 mg/L (1,600 ppb) in order to validate whether or not your discharge was, indeed, out of compliance. The following is the result of my review.

1. The sample bottle provided for sample collection was a bottle that had been washed with a hot alkaline detergent, rinsed numerous times with deionized water. The bottle was also solvent rinsed three times to remove organic residue. Other bottles washed at that time were used by other clients for PAH analysis with results in the low parts-per-billion or "none detected" range. This tends to suggest that the bottle was suitably clean prior to sample collection.
2. The extraction blank which accompanied this test showed "none detected" for all parameters. The sample's extract was especially dirty for a sample of this nature. The sample extract concentration step took the initial sample volume of 950mLs down to 1.0 mLs, nearly a thousand-fold concentration.
3. Unlike most routine samples, this sample showed "hits" for every parameter on the PAH list. The analyst was questioned about the possibility that he had accidentally spike the sample with standard instead of surrogate solution. He said this wasn't the case. He also suggested that if such a mistake had been made, the levels found for all parameters would have been close to a given concentration.
4. The calibration standards for this test yielded essentially the same integration counts as found with other analyses. The counts obtained for the Koppers sample yield "ppm" results in the 1-500 ppm range for nearly all parameters. These ppm results were then corrected for the 950-fold concentration which essentially converts ppm results to ppb results. Thus, we reported results in the 1-500 ppb range. The surrogate recovery was 94% which validates the data.

From the office at . . .

- **PORTLAND**  
7133 N. Lombard St.  
P.O. Box 83569 - St. Johns Sta.  
Portland, OR 97283-0569  
503-286-9464  
FAX 503-285-7831
- **TACOMA**  
4901 E. 20 Street  
Fife, WA 98424  
206-922-8781  
FAX 206-922-8957
- **SAN FRANCISCO**  
613 Escobar Street  
Martinez, CA 94553  
510-229-0360  
FAX 510-229-2821
- **LOS ANGELES**  
790 Basin St., Unit #2  
San Pedro, CA 90731  
310-833-1557  
FAX 310-833-1585

All results can be justified and point to a total PAH content over 1000 ppb. Please feel free to call me should you have any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard D. Reid". The signature is fluid and cursive, with the first name "Richard" and last name "Reid" clearly distinguishable.

Richard D. Reid  
Laboratory Director

**facsimile**  
**TRANSMITTAL****KOPPERS**  
**INDUSTRIES**

# **DELIVER IMMEDIATELY!!**

**To:** Amos Kamerer or TJ!  
Koppers Industries, Inc.

**Fax #:** 503-285-2831

**Re:** Quarterly PAH Analyses

**Date:** April 7, 1997

**Pages:** 1, including cover sheet.

Dear Amos or TJ:

I have reviewed previous quarterly PAH analyses from Coffey Labs. In most instances the concentration units for PAHs are expressed in ug/L. In all cases the results totaled significantly less than 1,000 ug/L which is the compliance level.

Once in a while, for some unknown reason, the lab report indicates that the results were in mg/L. Since 1 mg/L is equivalent to 1,000 ug/L, any number above 1 would exceed the permit limitations. When the lab was apprised of this in the past, they admitted to a slip up in the designation. You need to check with them again this time. I doubt that the waste water that is discharged from the holding tanks is greater than 100 ug/L of total PAHs.

I understand that you have elected to change laboratories because of convenience. I don't have any problem with changing labs; however, it is customary to compare analyses of duplicate samples for a few quarters before you make the switch just to be sure that the results are essentially the same. You should call the lab and inquire about the latest analysis.

So that I may check this out more thoroughly, please send me the all of the quarterly PAH analyses for 1995 and 1996. Also send me the one for the first quarter of 1997. Fax these to my office before 3:00 pm EDT.

Since both of us are travelling this week, leave me a message on my phone mail or get Marie to track me down. I may ask Nate Prepelka to follow up on this while I am travelling.

Regards,  
WES

cc: N. J. Prepelka; K-1800

From .....

**William E. Swearingen**  
Manager, Environmental Programs  
Koppers Industries, Inc.  
436 Seventh Avenue; K-1800  
Pittsburgh, PA 15219-1800

Tel: 412-227-2883  
Fax: 412-227-2423

Koppers012876



### Analytical Data

Koppers Industry

Job Number: 950202U  
Page Number: 3 of 3

Lab Sample ID: 950202U-2  
Field ID: WWT 2/4 Composite  
Date/Time: 02/02/95 1200  
Matrix: Waste Water

Analysis Performed: Polynuclear Aromatic Hydrocarbons in waste water by EPA Method 8310, HPLC.

<u>Compound</u>	<u>Detection Limit</u>	<u>Analytical Results</u>
Acenaphthene	500	ND
Acenaphthylene	500	ND
Anthracene	100	ND
Benzo(a)anthracene	15	45
Benzo(b)fluoranthene	20	58
Benzo(k)fluoranthene	15	38
Benzo(g,h,i)perylene	15	38
Benzo(a)pyrene	15	43
Chrysene	20	22
Dibenzo(a,h)anthracene	15	ND
Fluoranthene	100	ND
Fluorene	200	ND
Indeno(1,2,3-c,d)pyrene	20	25
Naphthalene	500	ND
Phenanthrene	200	ND
Pyrene	200	ND

269

Results expressed as  $\mu\text{g/L}$  unless otherwise noted.

ND means none detected at or above the detection limit listed.

COFFEY LABORATORIES, INC.

12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Koppers012877



## Analytical Data

Koppers Industry

Job Number: 950511BL

Page Number: 2 of 2

Lab Sample ID: 950511BL-1

Field ID: W.W.T. 2,4,6

Date/Time: 05/11/95 1400

Matrix: Waste Water

EPA Category: Conventional Parameters

Parameter	Method	Detection Limit	Analytical Result	Units	Analysis Date	Analyst
Oil & Grease	EPA 413.1	3.	5.	mg/L	05/12/95	JAG
Total Phenols	EPA 420.1	0.05	ND	mg/L	05/12/95	SVS

EPA Category: Not Applicable

Parameter	Method	Detection Limit	Analytical Result	Units	Analysis Date	Analyst
Acenaphthene	EPA 8310	30.	ND	µg/L	05/16/95	DJM
Acenaphthylene	EPA 8310	30.	ND	µg/L	05/16/95	DJM
Anthracene	EPA 8310	10.	ND	µg/L	05/16/95	DJM
Benzo(a)anthracene	EPA 8310	1.	2.	µg/L	05/16/95	DJM
Benzo(b)fluoranthene	EPA 8310	2.	4.	µg/L	05/16/95	DJM
Benzo(k)fluoranthene	EPA 8310	1.	2.	µg/L	05/16/95	DJM
Benzo(g,h,i)perylene	EPA 8310	3.	ND	µg/L	05/16/95	DJM
Benzo(a)pyrene	EPA 8310	1.5	2.	µg/L	05/16/95	DJM
Chrysene	EPA 8310	3.	ND	µg/L	05/16/95	DJM
Dibenzo(a,h)anthracene	EPA 8310	3.	ND	µg/L	05/16/95	DJM
Fluoranthene	EPA 8310	5.	ND	µg/L	05/16/95	DJM
Fluorene	EPA 8310	20.	ND	µg/L	05/16/95	DJM
Indeno(1,2,3-cd)pyrene	EPA 8310	3.	ND	µg/L	05/16/95	DJM
Naphthalene	EPA 8310	30.	ND	µg/L	05/16/95	DJM
Phenanthrene	EPA 8310	10.	ND	µg/L	05/16/95	DJM
Pyrene	EPA 8310	10.	ND	µg/L	05/16/95	DJM

ND means none detected at or above the detection limit listed.

**COFFEY LABORATORIES, INC.**

12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Koppers012878





### Analytical Data

Koppers Industry

Job Number: 950804BK

Page Number: 2 of 2

Lab Sample ID: 950804BK-1

Field ID: WWT 1-3-5

Date/Time: 08/04/95 1400

Matrix: Waste Water

#### EPA Category: Conventional Parameters

Parameter	Method	Detection Limit	Analytical Result	Units	Analysis Date	Analyst
Oil & Grease	EPA 413.1	3.	ND	mg/L	08/11/95	SSS
Total Phenols	EPA 420.1	0.05	ND	mg/L	08/09/95	PDB

#### EPA Category: Extractable Organics

Parameter	Method	Detection Limit	Analytical Result	Units	Analysis Date	Analyst
Acenaphthene	EPA 8310	25.	ND	µg/L	08/09/95	DJM
Acenaphthylene	EPA 8310	25.	ND	µg/L	08/09/95	DJM
Anthracene	EPA 8310	5.	ND	µg/L	08/09/95	DJM
Benzo(a)anthracene	EPA 8310	0.25	ND	µg/L	08/09/95	DJM
Benzo(b)fluoranthene	EPA 8310	0.5	ND	µg/L	08/09/95	DJM
Benzo(k)fluoranthene	EPA 8310	0.25	ND	µg/L	08/09/95	DJM
Benzo(g,h,i)perylene	EPA 8310	0.5	ND	µg/L	08/09/95	DJM
Benzo(a)pyrene	EPA 8310	0.25	ND	µg/L	08/09/95	DJM
Chrysene	EPA 8310	2.5	ND	µg/L	08/09/95	DJM
Dibenzo(a,h)anthracene	EPA 8310	0.5	ND	µg/L	08/09/95	DJM
Fluoranthene	EPA 8310	2.5	ND	µg/L	08/09/95	DJM
Fluorene	EPA 8310	2.5	ND	µg/L	08/09/95	DJM
Indeno(1,2,3-cd)pyrene	EPA 8310	1.25	ND	µg/L	08/09/95	DJM
Naphthalene	EPA 8310	25.	ND	µg/L	08/09/95	DJM
Phenanthrene	EPA 8310	5.	ND	µg/L	08/09/95	DJM
Pyrene	EPA 8310	2.5	ND	µg/L	08/09/95	DJM

ND means none detected at or above the detection limit listed.

**COFFEY LABORATORIES, INC.**

12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Koppers012879



### Analytical Data

Koppers Industry

Job Number: 951211AO

Page Number: 4 of 4

Lab Sample ID: 951211AO-2

Field ID: WWT 1-3-5

Date/Time: 12/11/95 1430

Matrix: Waste Water

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 12/13/95

Analyst: DJM

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	150.	ND	ND
Acenaphthylene	150.	ND	ND
Anthracene	30.	ND	ND
Benzo(a)anthracene	1.5	ND	7.
Benzo(b)fluoranthene	1.5	ND	9.
Benzo(k)fluoranthene	0.75	ND	5.7
Benzo(g,h,i)perylene	4.5	ND	ND
Benzo(a)pyrene	1.5	ND	12.
Chrysene	15.	ND	ND
Dibenzo(a,h)anthracene	4.5	ND	ND
Fluoranthene	15.	ND	ND
Fluorene	60.	ND	ND
Indeno(1,2,3-cd)pyrene	7.5	ND	ND
Naphthalene	150.	ND	ND
Phenanthrene	40.	ND	ND
Pyrene	30.	ND	ND

Results expressed as  $\mu\text{g/l}$  unless otherwise noted.

ND means none detected at or above the detection limit listed.

**Coffey Laboratories, Inc.**

12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Koppers012880



## Analytical Data

Koppers Industry

Job Number: 961203V

Page Number: 3 of 4

Lab Sample ID: 961203V-1

Field ID: Wastewater Tanks 1,3 & 5

Date/Time: 12/03/96 0800

Matrix: Waste Water

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 12/23/96

Analyst: VB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	10.	ND	ND
Acenaphthylene	10.	ND	ND
Anthracene	1.	ND	ND
Benzo(a)anthracene	0.1	ND	4.0
Benzo(a)pyrene	0.4	ND	11.
Benzo(b)fluoranthene	0.1	ND	19.
Benzo(g,h,i)perylene	0.4	ND	6.4
Benzo(k)fluoranthene	0.1	ND	15.
Chrysene	1.	ND	7.
Dibenzo(a,h)anthracene	0.4	ND	1.7
Fluoranthene	1.	ND	15.
Fluorene	5.	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	ND	7.3
Naphthalene	5.	ND	ND
Phenanthrene	1.	ND	ND
Pyrene	1.	ND	15.

Results expressed as mg/l unless otherwise noted.

ND means none detected at or above the detection limit listed.

# RECEIVED

JAN - 2 1997

KOPPERS INDS., INC.  
PORTLAND, OR

**Coffey Laboratories, Inc.**

12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Koppers012881

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
NAME Koppers Industries Inc.  
ADDRESS 7540 NW St. Helens Rd.  
Portland, OR 97210  
FACILITY Northwest Plant DEA #47430  
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)  
101003 001  
PERMIT NUMBER DISCHARGE NUMBER

Form Approved.  
OMB No. 2040-0004  
Approval expires 10-31-94

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY  
96 07 01 96 07 31  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

3077-J / 47430

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only) (46-53) (54-61)			QUALITY OR CONCENTRATION (4 Card Only) (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0								
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	503 286-3681 AREA CODE NUMBER	96 09 03 YEAR MO DAY
R.D. Collins, V.P.			
TYPED OR PRINTED			

TELEPHONE DATE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Nothing to Report

CORRECT - WE FAILED TO DO THE  
JULY REPORT IN AUGUST.



## Analytical Data

Koppers Industry

Job Number: 960425B

Page Number: 4 of 4

Lab Sample ID: 960425B-2

Field ID: WW 2,4,6

Date/Time: 04/25/96 0730

Matrix: Waste Water

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 04/25/96

Analyst: DJM

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	25.	ND	ND
Acenaphthylene	25.	ND	ND
Anthracene	5.	ND	ND
Benzo(a)anthracene	0.5	ND	19.
Benzo(a)pyrene	1.	ND	21.
Benzo(b)fluoranthene	0.5	ND	23.
Benzo(g,h,i)perylene	1.	ND	16.
Benzo(k)fluoranthene	0.5	ND	17.
Chrysene	5.	ND	20.
Dibenzo(a,h)anthracene	2.5	ND	4.
Fluoranthene	5.	ND	18.
Fluorene	25.	ND	ND
Indeno(1,2,3-cd)pyrene	2.5	ND	13.
Naphthalene	25.	ND	ND
Phenanthrene	5.	ND	7.
Pyrene	5.	ND	29.

Results expressed as  $\mu\text{g/l}$  unless otherwise noted.

ND means none detected at or above the detection limit listed.

187

**RECEIVED**

MAY 31 1996

KOPPERS INDUS., INC.  
PORTLAND, OR

**Coffey Laboratories, Inc.**

12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Koppers012883



### Analytical Data

Koppers Industry

Job Number: 960115C

Page Number: 3 of 3

Lab Sample ID: 960115C-1

Field ID: WW 1,3,5

Date/Time: 01/15/96 0800

Matrix: Waste Water

EPA Category: Extractable Organics

Analysis Performed: EPA 8310; Polynuclear Aromatic Hydrocarbons by HPLC.

Analysis Date: 01/15/96

Analyst: DJM

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	6.	ND	21.
Acenaphthylene	6.	ND	ND
Anthracene	6.	ND	ND
Benzo(a)anthracene	0.12	ND	5.4
Benzo(b)fluoranthene	0.12	ND	8.0
Benzo(k)fluoranthene	0.06	ND	2.9
Benzo(g,h,i)perylene	0.36	ND	3.3
Benzo(a)pyrene	0.12	ND	4.1
Chrysene	0.6	ND	2.9
Dibenzo(a,h)anthracene	0.36	ND	3.5
Fluoranthene	0.6	ND	5.2
Fluorene	45.	ND	ND
Indeno(1,2,3-cd)pyrene	0.6	ND	3.2
Naphthalene	6.	ND	ND
Phenanthrene	6.	ND	ND
Pyrene	2.4	ND	ND

Results expressed as  $\mu\text{g/l}$  unless otherwise noted.

ND means none detected at or above the detection limit listed.

RECEIVED

JAN 22 1996

KOPPERS INDS., INC.  
PORTLAND, OR

**Coffey Laboratories, Inc.**

12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Koppers012884



# CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.  
7540 NW ST. HELENS ROAD  
PORTLAND OR 97210-3663

PHONE: (503) 286-3681  
FAX: (503) 285-2831

DATE SUBMITTED: 03/06/97

PO#:

PROJECT NAME: WASTE WATER TANKS 1-3-5

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
970317-001-01		03/06/97	0800	WASTE WATER GRAB SAMPLE
970317-001-02		03/06/97	0800	WASTE WATER GRAB SAMPLE
970317-001-03		03/06/97	0800	WASTE WATER GRAB SAMPLE

REPORT DATE: 03/13/97

REPORT NUMBER: 970317

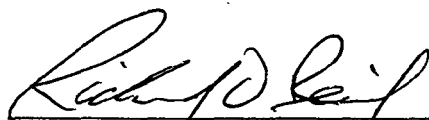
PAGE: 1 OF 2

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
970317-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	5.1	PPM	2	Dick R.
970317-001-02	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.051	PPM	0.05	Dick R.
970317-001-03	PNAH 1 EPA 8270M (SIM)	ACENAPHTHENE	9.1	PPB	0.05	Jacob F.
		ACENAPHTHYLENE	1.0	PPB	0.05	
		ANTHRACENE	13	PPB	0.05	
		BENZO(A)ANTHRACENE	450	PPB	0.05	
		BENZO(A)PYRENE	250	PPB	0.5	
		BENZO(B)FLUORANTHENE	24	PPB	0.5	
		BENZO(GHI)PERYLENE	230	PPB	0.5	

RECEIVED

APR - 3 1997  
KOPPERS INDS. INC.  
PORTLAND, OR

REVIEWED BY:

  
Richard D. Reid - Laboratory Director

Columbia Inspection, Inc. 7133 N Lombard St. - Portland, OR 97203 (503) 286-9464 Fax (503) 286-5355

Koppers012885

# CERTIFICATE OF ANALYSIS

REPORT DATE: 03/13/97

REPORT NUMBER: 970317

PAGE: 2 OF 2

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
970317-001-03	PNAH 1	BENZO(K)FLUORANTHENE	200	PPB	0.5	Jacob F.
	EPA 8270M (SIM)	CHRYSENE	55	PPB	0.05	
		DIBENZO(AH)ANTHRACENE	57	PPB	0.5	
		FLUORANTHENE	130	PPB	0.05	
		FLUORENE	8.5	PPB	0.05	
		INDENO(1,2,3-CD)PYRENE	57	PPB	0.5	
		NAPTHALENE	0.96	PPB	0.05	
		PHENANTHRENE	58	PPB	0.05	
		PYRENE	110	PPB	0.05	
		SURROGATE	94%	%RECOVERY	50%-150%	

RECEIVED

APR - 3 1997

KOPPERS INDS., INC.  
PORTLAND, OR



NAME Koppers Industries, Inc.  
ADDRESS 7540 NW St. Helens Rd.  
Portland, OR 97210  
FACILITY NW Plant  
LOCATION Multnomah

DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

101003  
PERMIT NUMBER

001  
DISCHARGE NUMBER

3077-J

Form Approved.  
OMB No. 2040-0004  
Approval expires 10-31-94

47430

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	96	09	01		96	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0									
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
R.D. Collins, VP											
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE	NUMBER	YEAR	MO	DAY
		M. S. Kameron, Plt Mgr					503	286-3681	96	10	02

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Nothing to Report

NAME Koppers Industries, Inc.

ADDRESS 7540 NW St. Helens Rd.

Portland, OR 97210

FACILITY \_\_\_\_\_

LOCATION \_\_\_\_\_

(2-16)

(17-19)

101003

PERMIT NUMBER

001

DISCHARGE NUMBER

Form Approved.

OMB No. 2040-0004


Approval expires 10-31-94

MONITORING PERIOD

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
96	08	01	96	08	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

3077-J / 47430

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0								
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R.D. Collins, V. P.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Amos S. Kamerer, Plt. Mgr.

SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

TELEPHONE

503 286-3681

AREA CODE

NUMBER

DATE

96 09 03

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Nothing to Report

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)  
NAME KOPPERS INDUSTRIES, INC.

ADDRESS 7540 NW ST. HELENS RD.  
PORTLAND, OR 97210

FACILITY Northwest Plant DEA #47430

LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

101003

PERMIT NUMBER

001

DISCHARGE NUMBER

3077-J

Form Approved.

OMB No. 2040-0004

Approval expires 10-31-94

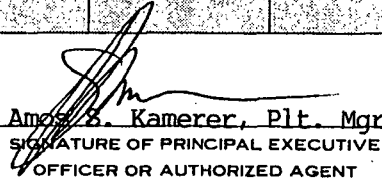
MONITORING PERIOD

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
96	06	01	96	06	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

47430

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0								
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE			
R.D. Collins, V.P.			503 286-3681		07	03	96	
TYPED OR PRINTED		 Amos S. Kameron, Plt. Mgr. SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE		NUMBER	YEAR	MO	DAY
			503		286-3681	07	03	96

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Nothing to Report

PERMITTEE NAME/ADDRESS (Include  
Facility Name/Location if different)  
NAME

KOPPERS IND. INC.

ADDRESS 7540 NW ST HELENS RD  
PORTLAND, OR 97210

FACILITY NORTHWEST TERMINAL

LOCATION MULTNOMAH CO.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

101003

PERMIT NUMBER

001

DISCHARGE NUMBER

3077-J

47430

Form Approved.

OMB No. 2040-0004

Approval expires 10-31-94

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY  
97 03 01 97 03 31  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	17,742		GPD					N/A	15/31	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				48	50	53	°F	0	15/31	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.9	7.1	7.3	SU	0	15/31	GRAB
	PERMIT REQUIREMENT				6.0	—	9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	3.2	6.8	mg/L	0	15/31	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.05	.17	.5	mg/L	0	15/31	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R.D. COLLINS, V.P.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

Amos Kamerer, Plt. Mgr.

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

503-286-3681

DATE

97 04 17

AREA  
CODE

NUMBER

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

first quarter PAH test results are attached, SEE LETTER ATTACHED → (regarding out of spec results)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
NAME KOPPERS INDUSTRIES, INC.  
ADDRESS 7540 NW ST. HELENS RD.  
PORTLAND, OR 97210  
FACILITY NORTHWEST PLANT  
LOCATION MULTNOMAH CO.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-16) (17-19)

101003  
PERMIT NUMBER

001  
DISCHARGE NUMBER

3077-J

Form Approved.  
OMB No. 2040-0004  
Approval expires 10-31-94

47430

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	97	02	01		97	02	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
FLOW	SAMPLE MEASUREMENT	7857		GPD					N/A	6/28 10/31	EST.
	PERMIT REQUIREMENT										
TEMP.	SAMPLE MEASUREMENT				48	50	51	OF	O	6/28	GRAB
	PERMIT REQUIREMENT										
PH	SAMPLE MEASUREMENT				7.1	7.2	7.2	SU	O	6/28	GRAB
	PERMIT REQUIREMENT										
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	1.5	3.0	MG/L	O	6/28	GRAB
	PERMIT REQUIREMENT										
PHENOLS	SAMPLE MEASUREMENT				.07	.10	.12	MG/L	O	6/28	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
A.S. KAMERER <i>[Signature]</i>							503 286-3681		97	03	04
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT					AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include  
Facility Name/Location if different)

NAME **KOPPERS INDUSTRIES, INC.**  
ADDRESS **7540 NW ST. HELENS RD.**  
**PORTLAND, OR 97210**

FACILITY **NW PLANT**  
LOCATION **MULTNOMAH CO.**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)

**101003**  
PERMIT NUMBER

**001**  
DISCHARGE NUMBER

**3077-J**

**47430**

Form Approved.

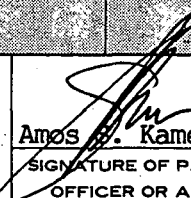
OMB No. 2040-0004

Approval expires 10-31-94

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
96	11	01		96	11	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	51,333		GPD					N/A	22/30	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				50	52	53	OF	0	22/30	GRAB
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT				7.1	7.2	7.2	SU	0	22/30	GRAB
	PERMIT REQUIREMENT										
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	2.0	4.0	mg/L	0	22/30	GRAB
	PERMIT REQUIREMENT										
PHENOLS	SAMPLE MEASUREMENT				.17	.52	.86	mg/L	0	22/30	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	 <b>Amos B. Kamerer, Plt. Mgr.</b> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
R.D. COLLINS, VP			503 286 3681	96	12	03	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



Facility Name/Location if different)  
NAME KOPPERS INDUSTRIES, INC.  
ADDRESS 7540 NW ST. HELENS RD.  
PORTLAND, OR 97210  
FACILITY NW PLANT  
LOCATION MULTNOMAH CO.

## DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

101003

001

PERMIT NUMBER

DISCHARGE NUMBER

3077-J

47430

Form Approved.

OMB No. 2040-0004

Approval expires 10-31-94

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
96	10	01	TO	96	10	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)										
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS													
FLOW	SAMPLE MEASUREMENT	23,548		GPD					NA	14/31	Est.										
	PERMIT REQUIREMENT																				
TEMP	SAMPLE MEASUREMENT				54	57	60		0	14/31	GRAB										
	PERMIT REQUIREMENT							OF													
pH	SAMPLE MEASUREMENT				6.5	7.0	7.4		0	14/31	GRAB										
	PERMIT REQUIREMENT							SU													
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	1.0	3.0		0	14/31	GRAB										
	PERMIT REQUIREMENT							mg/L													
PHENOLS	SAMPLE MEASUREMENT				.05	.05	.06		0	14/31	GRAB										
	PERMIT REQUIREMENT							mg/L													
	SAMPLE MEASUREMENT																				
	PERMIT REQUIREMENT																				
	SAMPLE MEASUREMENT																				
	PERMIT REQUIREMENT																				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE												
R.D. COLLINS, VP																					
TYPED OR PRINTED																					
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)		Amos S. Kamerer, Plt. Mgr SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					503	286-3681	96	11	04										
							AREA CODE	NUMBER	YEAR	MO	DAY										

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Koppers Ind. Inc.

ADDRESS 7540 NW St. Helens Rd.

Portland, OR 97210

FACILITY NW Plant

LOCATION Multnomah Co.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

101003

PERMIT NUMBER

001

DISCHARGE NUMBER

3077-J

Form Approved.

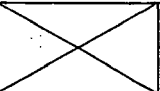
OMB No. 2040-0004

Approval expires 10-31-94

47430

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	96	12	01		96	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	44,516		GPD					N/A	18/31	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				45	48	50	F°	0	18/31	GRAB
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT				6.9	7.0	7.1	SU	0	18/31	GRAB
	PERMIT REQUIREMENT										
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	4.0	7.0	MG/L	0	18/31	GRAB
	PERMIT REQUIREMENT										
PHENOLS	SAMPLE MEASUREMENT				N.D.	.06	.13	Mg/L	0	18/31	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R.D. COLLINS, VP

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

A.S. KAMERER, PLT. MGR.

SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

TELEPHONE

503 286-3681

AREA CODE

DATE

97 01 02

YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

FOURTH QUARTER PAH RESULTS ARE ATTACHED





# Oregon

John A. Kitzhaber, M.D., Governor

**Department of Environmental Quality**

March 6, 2000

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471KOPPERS INDUSTRIES INC  
7540 NW ST HELENS RD  
PORTLAND OR 97210-3663*FILE - PORTLAND -**ENN - AIR  
PERMIT*Re: AQ - Multnomah Co.  
Koppers Industries Inc.  
File No. 26-2930

Attention: Amos Kameron, Plant Manager

On February 17, 2000, I and two other inspectors observed emissions from the fume treatment stack near the southern border of your facility. We observed that the emissions from this stack had a strong noxious odor and significant visible emissions nearly continuously. On March 6, 2000, I returned to your facility and again witnessed significant visible emissions coming from the fume treatment stack. According to information submitted by Koppers Industries Inc. during the last permit renewal, this emission point is a source of Hazardous Air Pollutants. We are concerned that the fume control system may not be able to operate in compliance with the requirements of your permit.

We wish to schedule a meeting to discuss this matter some time during the week of March 20 to March 24, 2000. Please let us know your availability as soon as possible. I can be contacted at (503) 229-6736.

Sincerely,

Randall Bailey  
Air Quality Permitting  
Northwest Region**RECEIVED**

MAR - 8 2000

KOPPERS INDS, INC.  
PORTLAND OR

286 3681

FROM : KOPPERS INDUSTRIES, INC.

286 3681

2002.06-27

09:24

#961 P.01/02

**KOPPERS  
INDUSTRIES**

*File - PORTLAND - ENV. - Air Permit*

Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

**Amos S. Kameron**  
Plant Manager

Telephone: 503-286-3681  
Fax: 503-286-2831

June 27, 2002

Oregon Dept. of Environmental Quality  
Northwest Region  
2020 SW Fourth Ave., Suite 400  
Portland, Oregon 97201-4987

Ms. Catherine Blaine  
Air Quality Permit Coordinator

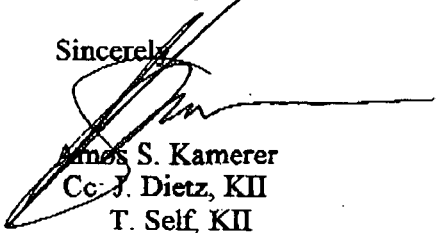
Reference: Renewal of Air Containment Discharge Permit  
ACDP # 26-2930

Dear Ms. Blaine,

Attached please find the completed AQ101 Answer Sheet for the renewal without changes of our Air Containment Discharge Permit # 26-2930. We would also like to reference, as a part of this renewal, the open Notice of Intent to Construct # 018175, that we feel is a part of the existing ACDP.

If you have any questions, I can be reached at # 503-286-3681 or via e-mail at [kamereras@koppers.com](mailto:kamereras@koppers.com)

Sincerely,



Amos S. Kameron  
Cc: J. Dietz, KII  
T. Self, KII

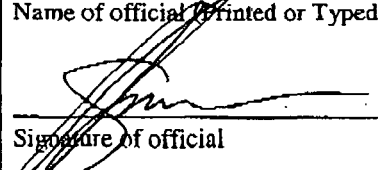
Koppers012896

## ADMINISTRATIVE INFORMATION

FORM AQ101  
ANSWER SHEET

FOR DEQ USE ONLY	
Permit Number: **	Type of Application:
Application No:	EXT <input type="checkbox"/> RNW <input checked="" type="checkbox"/> MOD <input type="checkbox"/>
Date Received:	NEW <input type="checkbox"/> SM <input type="checkbox"/>
Regional Office:	Check No. Amount \$

<b>1. Company</b>	<b>2. Facility Location</b>
Legal Name: Koppers Industries, Inc.	Name: Koppers Industries, Inc.
Mailing Address: 436 Seventh Avenue # 1800	Street Address: 7540 NW Saint Helens Road
City, State, Zip Code: Pittsburgh, PA 15219-1800	City, County, Zip Code: Portland, Multnomah, OR 97210-3663
<b>3. Site Contact Person</b>	<b>4. Standard Industrial Classification Code(s)</b>
Name: Amos S. Kamerer	Primary: 2865
Title: Plant Manager	Secondary:
Phone number: 503-286-3681	
<b>5. Other DEQ Permits</b>	<b>6. Permit Action</b>
NPDES No. 101642	<input type="checkbox"/> New permit
	<input checked="" type="checkbox"/> Renewal of an existing permit without changes
	<input type="checkbox"/> Renewal of an existing permit with changes
	<input type="checkbox"/> Modification of existing permit

<b>7. Signature</b>	
<i>I hereby apply for permission to discharge air contaminants in the State of Oregon, as stated or described in this application, and certify that the information contained in this application and the schedules and exhibits appended hereto, are true and correct to the best of my knowledge and belief.</i>	
Amos S. Kamerer	Plant Manager # 503-286-3681
Name of official (Printed or Typed)	Title of official and phone number
	June 27, 2002
Signature of official	Date

THE APPLICATION FEE INFORMATION IS SHOWN ON THE NEXT PAGE. SUBMIT TWO COPIES OF THE COMPLETED APPLICATION TO THE DEPARTMENT BUSINESS OFFICE ALONG WITH THE FEES. MAKE CHECKS PAYABLE TO DEQ.

Oregon Department of Environmental Quality  
Business Office  
811 SW SIXTH AVENUE  
Portland, OR 97204



FILE: PORTLAND  
AIR PERMIT

Koppers Industries, Inc.  
436 Seventh Avenue  
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001  
Fax: (412) 227-2423

March 10, 1999

**VIA FACSIMILE (503-229-5265) AND UPS NEXT DAY AIR**

Oregon Department Of Environmental Quality  
Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987

Attention: Kathy Amidon

RE: Koppers Industries, Inc. - Portland Terminal  
**Public Notice-Comments**  
Proposed Air Permit Application No. 26-2930  
Multnomah County

Dear Ms. Amidon:

Koppers Industries, Inc. (KII) respectfully submits the following comments/clarifications for the proposed air contaminant discharge permit for the Portland Terminal.

KII proposed a phased approach to modifying conditions at the Portland Terminal. As part of the application process, calculated emissions were submitted for existing, Phase I and Phase II conditions. KII intends only to proceed with Phase II if business conditions require an additional storage tank (T-210). If this tank is required then KII will install a fume combustion system.

The Portland Terminal facility presently consists of the following units:

1. 21MM BTU Atlas Boiler
2. 8MM BTU Hot oil heater
3. Fume Recovery System
4. Tanks 33 and 67

The proposed system in Phase I will consist of:

1. 21MM BTU Atlas Boiler
2. 10MM BTU hot oil heater(new)
3. 8 MM BTU hot oil heater
4. Fume Recovery system

5. Tank 200 (new), T-33, T-67

Phase II- implemented based on business conditions will consist of in addition to the units listed for Phase I:

6. Tank 210 (new)

7. Fume combustion system

**Public Notice**

**Special Permit Conditions:**

1. The 8MM Btu/hour heater should be a 10MM Btu/hour heater.
2. KII requests a permit condition stating that Phase II of the project may be implemented based on business conditions. If Phase II is implemented then the fume combustion system may be installed.

**Air Contaminant Discharge Permit Application Review Report:**

General Background Information- Page 1 of 4

Paragraph 3. -The statement that " gaseous emissions from the tanks will be ducted to the hot oil heater for incineration. Installation of a heated pipeline and two liquid pitch storage tanks is planned within the next two years" is incorrect. The sentence should read "*gaseous emissions from the tanks will be ducted to the fume recovery system. Installation of a heated pipeline and a liquid pitch storage tank is planned within the next two years.*"

Page 2 of 4 Number 5-Air Contaminant sources at the facility for the coming permit period are:

Koppers Industries, Inc. requests the table be amended to reflect that the boilers and both heaters are capable of both oil and gas firing.

The production rate of the pitch/oil transfer system should be 150,000 ton/yr. instead of 150,000 gal/yr.

The fume recovery system is presently in operation and will continue to operate. It should be added to the table.

The table has been modified to incorporate the requested changes described above.

Equipment	MFG/Model	Capacity/ Prod. Rate	SCC*	Installed/modified
Oil/gas-fired boiler	N. American	21 MM Btu/hr	3-06-001-03	1965
Oil/Gas-fired heater	N. American	8 MM BTU/hr	3-06-001-02	1990
Oil/Gas-fired heater	N. American	10 MM Btu/hr		1999
Pitch/oil transfer System	N/A	150,000 ton/yr.		1965 inst. 1999 modified
Fume recovery system	N/A	150,000 ton/yr.		1987

Hazardous Air Pollutants (HAPS)- Page 2 of 4

Number 6, Fourth sentence states "The current fume recovery system will be changed to a fume combustion system by feeding the HAP emissions collected by the fume recovery system through the facility's boiler for incineration." The sentence should read "If business conditions warrant implementation of Phase II, the current fume recovery system may be changed to a fume combustion system by feeding the emissions collected through the fume combustion unit."

Proposed Plant Site Emission Limit- Page 3 of 4

Number 10. Reads " throughput of pencil pitch is expected to be 70,000 gallons per year, and a maximum of 100 gallons per hour." The correct statement is "Throughput of pitch is expected to be 150,000 tons per year, and a maximum of 562 tons per hour."

Plant Site Emission Detail Sheet

Material Transfer System reads in column labeled fuel usage 70 Thou. Gallons/year and 100 tons. /hour.

Correct material transfer system fuel usage should be 150,000-tons/ year and 562 ton/hr.

Page 4 of 4

**Additional requirements**

Number 14. Reads: Special Conditions contained in the permit include the requirement to notify the Department upon installation of the 8MM Btu/hr heater, and to make a response to all complainants.

KII requests the following correction:

14. Special conditions contained in the permit include the requirement to notify the Department upon installation of the 10 MM Btu/hr, heater, and to make a response to all complainants.

**Air contaminant Discharge Permit**

Page 1 of 7:

**Type of Facility**

Standard Industry code for the facility is 2865 and not 4961 as listed.

The boiler at the facility is a 21MM Btu/hour unit as listed in the above table. KII requests the addition of the of the following units to the list of "Sources permitted to Discharge Air Contaminants":

1. **21MM BTU Atlas Boiler**
2. **10MM BTU hot oil heater(new)**
3. **8 MM BTU hot oil heater**
4. **Fume Recovery system**
5. **Tank 200 (new), T-33, T-67**
6. **Tank 210(new (if required))**
7. **Fume Combustion System (if required)**

**Reporting Requirements (Page 4, Item 16:)**

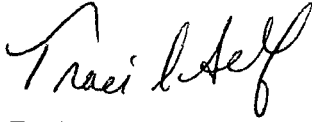
KII requests that report submittal be made the Department by March 1 of each year for the preceding calendar year. KII requests the additional time in order to submit a thorough report that contains the information requested in item 16. The January 15 date would not allow sufficient time to gather and analyze data to include in a detailed report.

KII appreciates the opportunity to provide comment/clarification on the draft permit and public notice. Thank you for all of your hard work and review of the application and supplements.

March 10, 1999

If you have any questions please contact Amos Kamerer at (503) 286-3681 or me at (412) 227-2883.

Sincerely,

A handwritten signature in cursive script that reads "Traci I. Self". The signature is fluid and stylized, with the first and last names being more prominent than the middle initial.

Traci I. Self  
Environmental Manager

cc: Amos Kamerer  
Jim Dietz  
Kevin Fitzgerald  
Steve Smith  
Bill Meisinger



# KOPPERS INDUSTRIES

Koppers Industries, Inc.  
436 Seventh Avenue  
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001  
Fax: (412) 227-2423

November 10, 1998

VIA UPS NEXT DAY AIR

Oregon Department Of Environmental Quality  
Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987

Attention: Kathy Amidon

RE: Koppers Industries Inc. - Portland Terminal  
**Supplemental Information**  
Air Permit Application No. 26-2930  
Multnomah County

Dear Ms. Amidon:

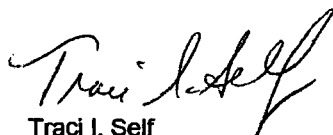
In response to our telephone conversation, with Amos Kamerer, on November 2, 1998, I am enclosing a revised emission estimate spreadsheet for Phase I. Phase I will consist of addition of a new liquid pitch storage tank (T- 200) and a new 10 MM BTU/Hr hot oil heater. The existing 8.5 MM BTU/HR hot oil heater will be used as a back up unit.

The Portland terminal is presently using natural gas for the boiler and hot oil heater. However, the terminal is operating under an interruptible gas contract. In the event that natural gas becomes unavailable, diesel fuel must be used in the units. The maximum potential emission calculations for existing units and proposed Phase 1 have been revised to reflect use of diesel fuel for a maximum period of 12 weeks.

Because of the variability of business projections and the uncertainty of obtaining a non-interruptible gas supply, Koppers Industries Inc. is requesting Oregon Department Of Environmental Quality (ODEQ) permit the Portland facility based on the maximum potential emission calculations listed for Phase I.

If you have, any questions please contact Amos Kamerer at (503) 286-3681 or me at (412) 227-2883.

Sincerely,



Traci I. Self  
Environmental Manager

Attachments

cc: Amos Kamerer  
Jim Dietz  
Kevin Fitzgerald  
Steve Smith

Koppers012903

**Maximum Potential Emissions from Existing Units  
Koppers Industries, Inc., Portland Terminal**

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (lb/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
Atlas Boiler <sup>1</sup>		Gas	2.82	12.33	0.06	0.25	0.70	3.08	0.08	0.33	0.12	0.55
		Oil/Gas	3.00	12.52	0.06	0.22	0.75	3.13	10.65	11.31	0.30	1.24
		MAX	3.00	12.52	0.06	0.25	0.75	3.13	10.65	11.31	0.30	1.24
Hot Oil Heater(backup unit) <sup>1</sup>		Gas	0.81	3.57	0.04	0.19	0.17	0.75	0.03	0.14	0.04	0.16
		Oil/Gas	1.22	3.97	0.04	0.16	0.31	0.88	4.33	4.60	0.12	0.43
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4.60	0.12	0.43
Fume Recovery System <sup>2,3</sup>		NA			12.47	21.51						
Tank 33		Heavy Oil			0.12	0.005						
Tank 67		P1/P13 Distillate			0.85	0.035						
Loading Tank 67 to Rail		P1/P13 Distillate			2.46	0.004						
Fugitives		NA			0.98	0.568						
Plant Total			4.22	16.49	16.98	22.56	1.06	4.01	14.98	15.91	0.42	1.67

**NOTES**

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>2</sup> The fume recovery system receives emissions from the following units: T-68, T-65, T-200, railcar loading and tank car loading.

<sup>3</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

**Maximum Potential Emissions, Phase I  
Koppers Industries, Inc., Portland Terminal**

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (lb/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
Atlas Boiler <sup>1</sup>		Gas	2.82	12.33	0.06	0.25	0.70	3.08	0.08	0.33	0.12	0.35
		Oil/Gas	3.00	12.52	0.06	0.22	0.75	3.13	10.65	11.31	0.30	1.24
		MAX	3.00	12.52	0.06	0.25	0.75	3.13	10.65	11.31	0.30	1.24
Hot Oil Heater(backup unit) <sup>1</sup>		Gas	0.81	3.57	0.04	0.19	0.17	0.75	0.03	0.14	0.04	0.16
		Oil/Gas	1.22	3.97	0.04	0.16	0.31	0.88	4.33	4.60	0.12	0.43
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4.60	0.12	0.43
Fume Recovery System <sup>2,3</sup>		NA			12.47	21.51						
Tank 33		Heavy Oil			0.12	0.005						
Tank 67		Heavy Oil			0.04	0.002						
Fugitives		NA			0.98	0.568						
New Hot Oil Heater <sup>1</sup>		Gas	1.34	5.87	0.03	0.12	0.34	1.47	0.04	0.16	0.06	0.26
		Oil/Gas	1.42	5.96	0.03	0.10	0.36	1.49	5.04	5.34	0.14	0.52
		MAX	1.42	5.96	0.03	0.12	0.36	1.49	5.04	5.34	0.14	0.52
T-200		Liquid Pitch				Note 4						
Plant Total			5.64	22.45	13.74	22.64	1.41	5.50	20.02	21.26	0.56	2.19

**NOTES**

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>2</sup> The fume recovery system receives emissions from the following units: T-68, T-65, T-200, railcar loading and tank car loading.

<sup>3</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

<sup>4</sup> Emissions from T-200 are included in the fume recovery system's emissions.

Maximum Potential Emissions from Combined Natural Gas/Fuel Oil Combustion, Koppers Industries, Inc., Portland Tar Plant

Unit ID	Heat Input (MM BTU/Hr)	Fuel Used	Hourly Potential	Annual Potential*	Emission Factor			Emission Factor			Emission Factor			Emission Factor			Emission Factor		
			Fuel Use	Fuel Use															
			(Mgal/hr)	(Mgal/yr)	NOx	NOx	NOx	VOC	VOC	VOC	CO	CO	CO	SO2	SO2	SO2	PM-10	PM-10	PM-10
			(mmcf/hr)	(mmcf/yr)	(lb/Mgal)	(lb/hr)	(tpy)	(lb/Mgal)	(lb/hr)	(tpy)	(lb/Mgal)	(lb/hr)	(tpy)	(lb/Mgal)	(lb/hr)	(tpy)	(lb/Mgal)	(lb/hr)	(tpy)
Atlas Boiler	21	Oil	0.15	302.40	20.00	3.00	3.02	0.20	0.03	0.03	3.00	0.75	0.76	71.00	10.65	10.74	2.00	0.30	0.30
		Gas	0.02	135.66	140.00	2.82	9.50	2.78	0.06	0.19	33.00	0.70	2.37	3.80	0.08	0.57	4.20	0.12	0.94
Hot Oil Heater	8.5	Oil	0.061	122.40	20.00	1.22	1.22	0.20	0.01	0.01	3.00	0.31	0.31	71.00	4.33	4.35	2.00	0.12	0.12
		Gas	0.01	54.91	100.00	0.81	2.75	3.28	0.04	0.14	21.00	0.17	0.58	3.80	0.03	0.26	4.50	0.04	0.31
New Hot Oil Heater	10	Oil	0.071	144.00	20.00	1.42	1.44	0.20	0.01	0.01	3.00	0.36	0.36	71.00	5.04	5.11	2.00	0.14	0.14
		Gas	0.01	64.60	140.00	1.34	4.52	2.78	0.03	0.09	33.00	0.34	1.13	3.80	0.04	0.23	4.20	0.06	0.38
Total					22.451			0.481			5.503			21.257			2.191		

\* Based on 2,016 hours/year of fuel oil combustion and 6744 hours/yr of natural gas combustion

Assumed higher heating value of #2 Fuel Oil = 140,000 BTU/gal

Higher Heating Value Natural Gas = 1044 BTU/cuft

Emission Factors are taken from the AP-42, Section 1.3, Jan., 1995

SO2 Emission Factor calculated by assuming 0.5% S in Oil

Calculation for criteria pollutants during oil combustion = (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 140,000 BTU/Gal)

Calculation for criteria pollutants during natural gas combustion = (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 1044 BTU/SCF)

Assumed PM = PM-10

Maximum Potential Emissions from Natural Gas Combustion, Koppers Industries, Inc., Portland Tar Plant

Unit ID	Heat Input (MM BTU/Hr)	Fuel Used	Hourly Potential Fuel Use (mmcf/hr)	Annual Potential* Fuel Use (mmcf/yr)	Emission Factor			Emission Factor			Emission Factor			Emission Factor			Emission Factor		
					NO <sub>x</sub> (lb/mmcf)	NO <sub>x</sub> (lb/hr)	NO <sub>x</sub> (tpy)	VOC (lb/mmcf)	VOC (lb/hr)	VOC (tpy)	CO (lb/mmcf)	CO (lb/hr)	CO (tpy)	SO <sub>2</sub> (lb/mmcf)	SO <sub>2</sub> (lb/hr)	SO <sub>2</sub> (tpy)	PM-10 (lb/mmcf)	PM-10 (lb/hr)	PM-10 (tpy)
Atlas Boiler	21	Gas	0.02	176.21	140.00	2.82	12.33	2.78	0.06	0.25	31.00	0.70	3.08	1.80	0.08	0.33	6.20	0.12	0.55
Hot Oil Heater	8.5	Gas	0.01	71.32	100.00	0.81	3.57	1.28	0.04	0.19	21.00	0.17	0.75	1.80	0.03	0.14	4.30	0.04	0.16
New Hot Oil Heater	10	Gas	0.01	83.91	140.00	1.34	5.87	2.78	0.03	0.12	31.00	0.34	1.47	1.80	0.04	0.16	6.20	0.06	0.26
<b>Total</b>					<b>331.437</b>			<b>21.774</b>			<b>0.550</b>			<b>5.301</b>			<b>0.630</b>		

\* Based on 8760 hrs/yr of operation

Higher Heating Value Natural Gas = 1044 BTU/cuft

Emission Factors are taken from the AP-42, Section 1.4, Jan., 1995

Assumed PM = PM-10

Calculation for criteria pollutants = (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 1044 BTU/SCF)

# **KOPPERS INDUSTRIES**

## **INTEROFFICE CORRESPONDENCE**

---

Fax transmission to: 227-2423, 5 pages, and e-mailed.

To:	Traci Self	From:	J. T. Dietz
Location:	K-1800	Location:	Harmarville Tech Center
Subject:	Portland Terminal - Draft Air Permit Submittal	Date:	October 29, 1998

Please find attached a draft of the facility and operation description with proposed permit conditions for the Portland Terminal Air Permit. This should be submitted with Carl's flowsheet and Air Compliance emissions calculations.

Please review the draft transmitted by e-mail and edit it as appropriate prior to submittal. If you have any questions, please advise.

  
Jim Dietz

cc:	Amos Kamerer -	Portland
	Steve Smith -	K-1800
	Carl Mueller -	Harmarville
	Jill Merrill -	Air Compliance

Facility Background

Koppers Industries operates its Portland facility to receive and distribute industrial pitch, a critical component for the production of aluminum in the Pacific Northwest. The plant operation consists of receiving both solid and liquid pitch and shipping liquid pitch to customers. Koppers also produces creosote wood preservative for distribution to wood treating customers.

The Portland operation currently includes: a solid pitch storage shed; a pitch melter tank number 65; a liquid pitch shipping tank number 68; a heavy correction oil tank number 33; a creosote blending and shipping tank number 67; a gas/oil dual fuel fired, 21 million Btu per hour steam boiler; a gas/oil-fired hot oil heater; rail car and tank truck loading stations; and a pitch fume recovery system. The fume recovery system currently collects fumes from tanks 65, 68, and the rail car and tank truck loading stations.

This air permit application is submitted after review and analysis of Koppers' business projections as well as evaluating the potential for future business. The plant operating throughput is measured in terms of short tons of pitch per year. The current throughput for 1998 is approximately 70,000 tons. The maximum future business potential throughput is estimated at 150,000 short tons per year.

Basis of Air Permit Emissions Estimates

The emissions estimates included in this application are calculated from the plant operations at defined throughputs and presented in the following format:

- Actual Emissions from Existing Units
- Maximum Potential Emissions from Existing Units
- Phase One Facility Expansion
- Phase Two Facility Expansion

### Facility Expansion

The potential to expand the operation is planned in two stages. Phase One Expansion is a near term plan based on foreseeable, eminent business development. Phase Two Expansion includes anticipated changes in operations that may occur due to potential, but not immediate, business opportunities.

The plan for Phase One Expansion is to install one additional liquid pitch storage tank number T-200 (nominally two million gallons of capacity), a ship receiving terminal and pipeline and a new 10 million Btu per hour hot oil heater with the existing 8.5 million Btu per hour hot oil heater available as a standby.

The Phase Two Expansion would include a second two million gallon pitch storage tank, T-210. Also, if an additional rail car or tank truck loading station is required; a new fume combustor would be installed.

### Fume Recovery System and Future Revisions

The existing pitch fume recovery system controls emissions from the pitch melter tank number 65, the shipping tank number 68 and the truck and rail car loading stations. This system utilizes a coal tar distillate to process fumes entering from the pitch fume collection duct network. The facility uses a KII coal tar distillate, called "heavy oil", as a contacting medium. Analysis shows that heavy oil is an excellent fluid in the fume recovery system and is recovered directly into the pitch product. Since heavy oil is a higher viscosity material, the fume recovery system is required to be at an elevated temperature to maintain proper operability. Thus it is equipped with electric heaters for the fume recovery circulation tank to boost the system's temperature. Refer to the system sketch as an aid in understanding the fume recovery process.

The system employs a venturi eductor to contact the fumes collected from the tanks and loading station. The heavy oil is stored within the tank mounted to the base of the eductor and is



circulated by pumping. On the outlet of the eductor vent a mist eliminator is installed in the stack of the fume recovery system. The vapor contacting the heavy oil in the fume recovery system can result in entrainment or carryover of particulates out the exit stack. The mist eliminator acts to disengage suspended organics from the vapor stream, allowing them to drop out and be returned to the fume recovery system.

In the event of a Phase Two Expansion resulting in additional requirements for fume handling capacity, the existing pitch fume recovery system will be replaced with a thermal oxidizer and heat recovery unit. As opposed to the fumes that are drawn into the existing system by a venturi, a blower would be installed to draw vapor from the pitch fume piping network and discharge them into the oxidizer. The thermal oxidizer would be designed to provide sufficient reaction time and temperature resulting in a minimal 98% destruction efficiency of VOC's from the fume system. Prior to exiting a stack, the oxidized vapors would pass through an exchanger to recover heat (energy) into a hot oil system used for plant heating systems.

#### Permit Conditions

The company will be required to operate its facility in such a manner to perform as follows to comply with the permit:

- The company will be permitted to discharge exhaust gases from stationary operations directly associated with the facilities described herein.
- Not exceed the following total emissions for the steam boiler and hot oil heaters:
  - 2.47 Tons per year or 0.56 Lbs/Hour of PM-10 particulate.
  - 6.18 Tons per year or 1.41 Lbs/Hour of CO
  - 24.72 Tons per year or 5.64 Lbs/Hour of NOx
  - 87.74 Tons per year or 20.02 Lbs/Hour of SO2
  - 3.29 Tons per year or 1.76 Lbs/Hour of VOC

- Perform boiler maintenance, including inspection of the combustion chamber and refractory and burner adjustment, at least every two years.
- Not exceed the following total emissions for the fume recovery system:
  - 22.64 Tons per year or 13.74 Lbs/Hour of VOCs
  - Compliance to be tested and reported by the combined Methods 1-4 and 25A of Appendix A of 40 CFR 60.
- The company shall operate and maintain any equipment generating air emissions efficiently and by the best practice.
- The company shall notify the Department within 45 days of plans to implement system or operational changes or additions associated with Phases One or Two Expansions. The company shall have 30 days to inform the Department when system changes have been started up and 90 days to come into compliance of the permit limits.

**Koppers Industries,  
Inc.****Fax****To:** Amos Kameron**From:** Traci L. Self**Fax:** 503-285-2831**Date:** November 10, 1998**Phone:** 503-286-3681**Pages:** 7**Re:** Air Permit Application**CC:** Jim Dietz, Carl Mueller☒ **Urgent**☒ **For Review**☒ **Please Comment**☐ **Please Reply**☐ **Please Recycle****•Comments:****Please respond ASAP so that I may send the revised information to ODEQ.****Thank You****Traci L. Self**

# draft

November 10, 1998

Oregon Department Of Environmental Quality  
Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987

Attention: Kathy Amidon

RE: Koppers Industries Inc. - Portland Terminal  
**Supplemental Information**  
Air Permit Application No. 26-2930  
Multnomah County

Dear Ms. Amidon:

In response to our telephone conversation, with Amos Kamerer, on November 2, 1998, I am enclosing a revised emission estimate spreadsheet for Phase I. Phase I will consist of addition of a new liquid pitch storage tank (T- 200) and a new 10 MM BTU/Hr hot oil heater. The existing 8.5 MM BTU/HR hot oil heater will be used as a back up unit.

The Portland terminal is presently using natural gas for the boiler and hot oil heater. However, the terminal is operating under an interruptible gas contract. In the event that natural gas becomes unavailable, diesel fuel must be used in the units. The maximum potential emission calculations for existing units and proposed Phase 1 have been revised to reflect use of diesel fuel for a maximum period of 12 weeks.

Because of the variability of business projections and the uncertainty of obtaining a non-interruptible gas supply, Koppers Industries Inc. is requesting Oregon Department Of Environmental Quality (ODEQ) permit the Portland facility based on the maximum potential emission calculations listed for Phase I.

If you have, any questions please contact Amos Kamerer at (503) 286-3681 or me at (412) 227-2883.

● Page 2  
Sincerely,

November 10, 1998

Traci I. Self  
Environmental Manager

Attachments (3)

cc: Amos Kameron  
Jim Dietz  
Kevin Fitzgerald  
Steve Smith

**Maximum Potential Emissions from Existing Units  
Koppers Industries, Inc., Portland Terminal**

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (lb/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
Atlas Boiler <sup>1</sup>		Gas	2.82	12.33	0.06	0.25	0.70	3.08	0.08	0.33	0.12	0.35
		Oil/Gas	3.00	12.52	0.06	0.22	0.75	3.13	10.65	11.31	0.30	1.24
		MAX	3.00	12.52	0.06	0.25	0.75	3.13	10.65	11.31	0.30	1.24
Hot Oil Heater(backup unit) <sup>1</sup>		Gas	0.81	3.37	0.04	0.19	0.17	0.75	0.03	0.14	0.04	0.16
		Oil/Gas	1.22	3.97	0.04	0.16	0.31	0.88	4.33	4.60	0.12	0.43
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4.60	0.12	0.43
Fume Recovery System <sup>2,3</sup>		NA			12.47	21.51						
Tank 33		Heavy Oil			0.12	0.005						
Tank 67		P1/P13 Distillate			0.85	0.035						
Loading Tank 67 to Rail		P1/P13 Distillate			2.46	0.004						
Fugitives		NA			0.98	0.368						
<b>Plant Total</b>			<b>4.22</b>	<b>16.49</b>	<b>16.98</b>	<b>22.56</b>	<b>1.06</b>	<b>4.01</b>	<b>14.98</b>	<b>15.91</b>	<b>0.42</b>	<b>1.67</b>

**NOTES**

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>2</sup> The fume recovery system receives emissions from the following units: T-68, T-66, T-200, railcar loading and tank car loading.

<sup>3</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

# Maximum Potential Emissions, Phase I Koppers Industries, Inc., Portland Terminal

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (lb/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
Atlas Boiler <sup>1</sup>		Gas	2.82	12.33	0.06	0.23	0.70	3.08	0.08	0.33	0.12	0.53
		Oil/Gas	3.00	12.32	0.06	0.22	0.75	3.13	10.65	11.31	0.30	1.24
		MAX	3.00	12.53	0.06	0.25	0.75	3.13	10.65	11.31	0.30	1.24
Hot Oil Heater(backup unit) <sup>1</sup>		Gas	0.81	3.37	0.04	0.19	0.17	0.73	0.03	0.14	0.04	0.16
		Oil/Gas	1.22	3.97	0.04	0.16	0.31	0.88	4.33	4.60	0.12	0.43
		MAX	1.22	3.97	0.04	0.19	0.31	0.88	4.33	4.60	0.12	0.43
Fume Recovery System <sup>2,3</sup>		NA			12.47	21.31						
Tank 33		Heavy Oil			0.12	0.005						
Tank 67		Heavy Oil			0.04	0.002						
Fugitives		NA			0.98	0.368						
New Hot Oil Heater <sup>1</sup>		Gas	1.34	5.37	0.03	0.12	0.34	1.47	0.04	0.16	0.06	0.26
		Oil/Gas	1.42	5.96	0.03	0.10	0.36	1.39	5.04	5.34	0.14	0.52
		MAX	1.42	5.96	0.03	0.12	0.36	1.47	5.04	5.34	0.14	0.52
T-200		Liquid Pitch				None						
Plant Total			5.84	22.45	13.74	22.84	1.41	5.50	20.02	21.28	0.58	2.19

## NOTES

<sup>1</sup> Combustion units may be run on natural gas or #2 fuel oil. However, fuel oil combustion will occur a maximum of 12 weeks during any given year.

<sup>2</sup> The fume recovery system receives emissions from the following units: T-68, T-85, T-200, railcar loading and tank car loading.

<sup>3</sup> Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD.

<sup>4</sup> Emissions from T-200 are included in the fume recovery system's emissions.

## Maximum Potential Emissions from Combined Natural Gas/Fuel Oil Combustion, Koppers Industries, Inc., Portland Tar Plant

Unit ID	Heat Input (MM BTU/Hr)	Fuel Used	Hourly Potential Fuel Use (Mgal/hr) (mmcf/hr)	Annual Potential* Fuel Use (Mgal/yr) (mmcf/yr)	Emission Factor			Emission Factor			Emission Factor			Emission Factor			Emission Factor		
					NO <sub>x</sub> (lb/hr) (tpy)	NO <sub>x</sub> (lb/hr) (tpy)	NO <sub>x</sub> (tpy)	VOC (lb/hr) (tpy)	VOC (lb/hr) (tpy)	VOC (tpy)	CO (lb/hr) (tpy)	CO (lb/hr) (tpy)	CO (tpy)	SO <sub>2</sub> (lb/hr) (tpy)	SO <sub>2</sub> (lb/hr) (tpy)	SO <sub>2</sub> (tpy)	PM-10 (lb/hr) (tpy)	PM-10 (lb/hr) (tpy)	PM-10 (tpy)
Atlas Boiler	21	Oil	0.15	302.40	20.00	3.00	3.02	0.20	0.03	0.03	1.00	0.75	0.76	71.00	10.65	10.74	2.00	0.30	0.30
		Gas	0.02	135.66	140.00	2.82	9.50	2.78	0.06	0.19	33.00	0.70	2.37	1.80	0.08	0.57	6.20	0.12	0.94
Hot Oil Heater	8.5	Oil	0.061	122.40	10.00	1.22	1.22	0.20	0.01	0.01	1.00	0.31	0.31	71.00	4.33	4.35	1.00	0.12	0.12
		Gas	0.01	54.91	100.00	0.81	2.75	1.28	0.04	0.14	21.00	0.17	0.58	1.80	0.03	0.26	4.00	0.04	0.31
New Hot Oil Heater	10	Oil	0.071	144.00	10.00	1.42	1.44	0.20	0.01	0.01	1.00	0.36	0.36	71.00	5.04	5.11	2.00	0.14	0.14
		Gas	0.01	64.60	140.00	1.34	4.52	2.78	0.03	0.09	35.00	0.34	1.13	1.80	0.04	0.23	6.20	0.06	0.38
Total					22.451			0.481			5.503			21.257			2.191		

\* Based on 2,016 hours/year of fuel oil combustion and 6744 hours/yr of natural gas combustion

Assumed higher heating value of #2 Fuel Oil = 140,000 BTU/gal

Higher Heating Value Natural Gas = 1044 BTU/cuft

Emission Factors are taken from the AP-42, Section 1.3, Jan., 1995

SO<sub>2</sub> Emission Factor calculated by assuming 0.3% S in Oil

Calculation for criteria pollutants during oil combustion = (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 140,000 BTU/Gal)

Calculation for criteria pollutants during natural gas combustion = (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lbs/ton \* 1044 BTU/SCF)

Assumed PM = PM-10



## Maximum Potential Emissions from Natural Gas Combustion, Koppers Industries, Inc., Portland Tar Plant

Unit ID	Heat Input (MM BTU/hr)	Fuel Used	Hourly Potential Fuel Use (mmcf/hr)	Annual Potential* Fuel Use (mmcf/yr)	Emission Factor			Emission Factor			Emission Factor			Emission Factor			Emission Factor		
					NOx (lb/mmcf)	NOx (lb/hr)	NOx (tpy)	VOC (lb/mmcf)	VOC (lb/hr)	VOC (tpy)	CO (lb/mmcf)	CO (lb/hr)	CO (tpy)	SO2 (lb/mmcf)	SO2 (lb/hr)	SO2 (tpy)	PM-10 (lb/mmcf)	PM-10 (lb/hr)	PM-10 (tpy)
Atlas Boiler	21	Gas	0.02	176.21	148.00	2.82	12.33	2.78	0.06	0.25	31.00	0.70	3.08	1.80	0.08	0.33	4.70	0.12	0.55
Hot Oil Heater	8.5	Gas	0.01	71.32	102.00	0.81	3.57	3.28	0.04	0.19	11.00	0.17	0.75	1.80	0.03	0.14	4.10	0.04	0.16
New Hot Oil Heater	10	Gas	0.01	83.91	140.00	1.34	5.87	2.78	0.03	0.12	15.00	0.34	1.47	1.80	0.04	0.16	6.20	0.06	0.26
Total				331.437			21.774			0.550			5.301			0.630			0.967

\* Based on 8760 hrs/yr of operation

Higher Heating Value Natural Gas = 1044 BTU/cuft

Emission Factors are taken from the AP-42, Section 1.4, Jan., 1995

Assumed PM = PM-10

Calculation for criteria pollutants = (max input in mm BTU/hr) X (Criteria emission factor) X (8760 hr/yr) / (2000 lb/mmcf \* 1044 BTU/SCF)



## INTEROFFICE CORRESPONDENCE

To:	Kevin Fitzgerald Jim Dietz Steve Smith Amos Kamerer <i>w/o attachment</i> Jill Merrill-ACCI	From:	Traci I. Self
		Location:	K-1800
Subject:	Portland Air Contaminant Proposed Permit	Date:	February 15, 1999

Attached is the draft proposed air permit for Portland Terminal. The comment period ends March 11, 1999. If KII wants to make any changes to the permit before issuance, we must make them before this date. Please review the permit and provide comments by March 5, 1999. Thank You.



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

February 10, 1999

FEB 15 1999

KOPPERS INDUSTRIES INC  
7540 NW ST HELENS RD  
PORTLAND OR 97210-3663

RE: PUBLIC NOTICE FOR AIR  
CONTAMINANT DISCHARGE PERMIT  
Permit # 26-2930

Your application for an Air Contaminant Discharge Permit has been reviewed by the Department of Environmental Quality and a proposed permit has been drafted. The Department has issued a public notice from February 9, 1999 to March 11, 1999. You are invited to review the attached copy of the proposed permit and submit any comments you may have prior to the end of the notice period.

The public notice is distributed to interested individuals and the media.

All comments received will be evaluated by the Department and action on the proposed permit will be taken in the near future.

Sincerely,

Johnny D. Baumgartner  
Air Quality Permit Coordinator  
Northwest Region

Enclosure

**DESCRIPTION OF DISCHARGE:** Proposed Plant Site Emission Limits at the facility are shown below and are expressed in tons per year.

Pollutant	Baseline (tons/yr)	Current PSEL (tons/yr)	Increase (tons/yr)	SER (tons/yr)
SO <sub>2</sub>	0	22	22	40
NO <sub>x</sub>	0	28	28	40
CO	0	7	7	100
VOC	0	20	20	40

**SPECIAL PERMIT CONDITIONS:** Special conditions contained in the permit include the requirement to notify the Department upon installation of the 8 MM Btu/hour heater, and to make a response to all complainants.

**COMPLIANCE HISTORY:** In response to a complaint in Koppers' geographical area, several facilities were visited. Department staff discovered an oil-fired boiler operating without a permit. The facility contains a 21 Mm Btu/hour boiler with the capability of burning oil. Under OAR 340-28-1750, Table 4 (formerly OAR 340-20-155, Table 1), all oil fired boilers greater than 10 MM Btu/hour input capacity in the Portland Air Quality Maintenance Area are required to have an air discharge permit. Because the Department had mistakenly canceled the permit in 1977, no enforcement action was taken against the source.

**WHERE TO FIND OTHER DOCUMENTS:** Copies of the proposed permit and review report are available at the Central Branch Public Library in Portland, Oregon. For technical information, contact Kathy Amidon of DEQ at (503) 229-5568.

The current application is available for public inspection by calling (503) 229-5582. Historical file records, if any, are available for viewing at DEQ's Northwest Region Office, 2020 SW 4th Avenue, Suite 400, Portland, OR 97201. File review hours are 9 a.m. to Noon and 1 p.m. to 4 p.m. Tuesday through Thursday. Call (503) 229-5554 or (TTY) (503) 229-5471. The building is wheelchair accessible and those with special needs should alert this office when making an appointment. This publication is available in alternate format (e.g. large print, Braille) upon request. Please contact DEQ Public Affairs at (503) 229-5317 to request an alternate format.

**HOW TO COMMENT:** Written comments should be mailed to: DEQ/AQ, Permit Coordinator, 2020 SW 4th Avenue, Suite 400, Portland, OR 97201-4987. Copies of the proposed permit may be requested from Johnny Baumgartner at (503) 229-5582. Written comments will be accepted by DEQ until 5:00 p.m., March 11, 1999.

**HOW TO REQUEST A HEARING:** If written comments indicating significant public interest or written requests from at least 10 persons, or an organization representing at least 10 persons, are received on this application, DEQ will provide a public hearing. Requests for hearing must be in writing and will be accepted by the Department until 5:00 p.m., March 11, 1999.

**WHAT HAPPENS NEXT:** The Department will review all information received during the chance to comment period. Following this review, the permit may be issued as proposed; modified or denied.

**RECEIVED**

FEB 12 1999

KOPPERS INDS, INC.  
PORTLAND OR

**OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY**  
***A CHANCE TO COMMENT ON . . .***

**PUBLIC NOTICE**

Comments Due: March 11, 1999

---

**WHO IS THE APPLICANT:** The following facility has applied for a new Air Contaminant Discharge Permit.

Koppers Industries, Inc.  
7540 NW St. Helens Rd.  
Portland OR 97210

Permit Number: 26-2930

The DEQ has conducted a preliminary review of this application and is providing an opportunity for public comment.

---

**FACILITY DESCRIPTION:** Koppers Industries, Inc. own and operates a facility located at 7540 NW St. Helens Road in Portland that receives, stores, and transfers creosote. The company plans to cease its shipments of creosote and instead move heavy oil and coal tar pitch (pencil pitch). Pencil pitch is received in solid form, placed in tanks and heated, then moved through pipes to load onto rail cars or tank cars. The heavy oil is also heated for ease of movement.

The proposed permit is a new permit for an existing source. The proposed permit will expire on 9/1/2002.

---

**PERTINENT AIR PROGRAMS:** At the time of application review, this source was not subject to New Source Performance Standards (NSPS), New Source Review (NSR), Prevention of Significant Deterioration (PSD), or National Emissions Standards for Hazardous Air Pollutants (NESHAPS). The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants. The facility is an insignificant source of CO, NO<sub>x</sub>, and VOC. The area is in attainment for all other pollutants.

---

**AUTHORITY FOR PERMIT ISSUANCE:** The authority for issuance of air quality permits is provided by Oregon Revised Statute (ORS) 468A.045 and the specific procedures for issuance, denial, modification, and revocation of permits contained in Oregon Administrative Rules (OAR) 340, Division 14. Departmental review indicates that this applicant has met all applicable state and federal air quality regulations that provide for issuance of a permit to accommodate increased emissions.

---

**OTHER DEQ PERMITS ISSUED:** The Department has issued a water quality permit to this facility, NPDES 100419. The plant site includes 25 tanks for the collection and storage of storm water.

---

**PROPOSED**

**AIR CONTAMINANT DISCHARGE PERMIT**

Department of Environmental Quality  
Northwest Region  
2020 SW 4th Avenue, Suite 400  
Portland, Oregon 97201-4987  
Telephone: (503) 229-5263

Issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

<b>ISSUED TO:</b>	<b>INFORMATION RELIED UPON:</b>
Koppers Industries, Inc. 7540 NW St. Helens Road Portland, OR 97210-3663	Application No: 016551 Date received: 8/25/97
<b>PLANT SITE LOCATION:</b>	<b>LAND USE COMPATIBILITY STATEMENT:</b>
7540 NW St. Helens Road Portland, OR	From: City of Portland Dated: 9/15/97

**ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY:**

Ed Druback, Northwest Region Air Quality Manager

Dated

Source(s) Permitted to Discharge Air Contaminants:

**TYPE OF FACILITY**  
(from Table 4, OAR 340-28-1750)

**STANDARD INDUSTRY CODE**

58. b) Boiler located in Portland AQMA, 10 MM Btu/hour  
energy input, distillate oil fired

4961

# PROPOSED

Permit No.: 26-2930  
Expiration Date: 9/1/2002  
Page 2 of 7 Pages

## PERMITTED ACTIVITIES

The permittee is herewith allowed to discharge exhaust gases from those processes and activities directly related to or associated with the air contaminant source(s) listed above in accordance with the requirements, limitations, and conditions of this permit, until such time as this permit expires or is modified or revoked.

Compliance with the specific requirements, limitations and conditions contained herein does not relieve the permittee from complying with all other laws, rules and standards administered by the Department, nor does it allow significant levels of emissions of air contaminants not limited in this permit or contained in the permit application.

## PERFORMANCE STANDARDS AND EMISSION LIMITS

1. Particulate emissions from any single air contaminant source shall not exceed any of the following:
  - a. 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air, for combustion sources existing prior to June 1, 1970;
  - b. 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air, for combustion sources installed, constructed, or modified after June 1, 1970; and
  - c. An opacity equal to or greater than twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor.
  - d. Particulate matter which is larger than 250 microns and which may be deposited upon the real property of another person shall not be emitted.
2. The permittee shall not sell, distribute, use (combust), or make available for use, any fuel oil which exceeds the following sulfur content limitations:
  - a. 0.3 percent sulfur by weight for ASTM Grade 1 (distillate).
  - b. 0.5 percent sulfur by weight for ASTM Grade 2 (distillate).
  - c. 1.75 percent sulfur by weight for residual fuel oil.
3. The permittee shall not allow the emission of odorous matter or other fugitive emissions so as to create nuisance conditions off the permittee's property. Nuisance conditions will be verified by Department personnel. The creation of nuisance conditions may, in addition to any other action the Department may take, result in a permit modification to require a compliance schedule to control the nuisance conditions.

## OPERATIONS AND MAINTENANCE

4. The permittee shall at all times maintain and operate all air contaminant generating processes and all air contaminant control equipment at full efficiency and effectiveness, such that the emissions of air contaminants are kept at the lowest practicable levels.

# PROPOSED

Permit No.: 26-2930  
Expiration Date: 9/1/2002  
Page 3 of 7 Pages

5. The permittee shall minimize fugitive dust emissions by:
  - a. Treating vehicular traffic areas of the plant site under the control of the permittee.
  - b. Storing collected material from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.
6. A maintenance service must be performed on the boiler at least once every two years. As a minimum, the service must include an inspection of the burners and refractory chamber, cleaning, adjustment, and repair as necessary. Records of the service shall be maintained on site for a period of at least two years.

## PLANT SITE EMISSION LIMITS

7. Emissions of Sulfur Dioxide on a plant site basis shall not exceed 22 tons per year or 20 pounds per hour.
8. Emissions of Nitrogen Oxides on a plant site basis shall not exceed 28 tons per year or 11 pounds per hour.
9. Emissions of Carbon Monoxide on a plant site basis shall not exceed 7 tons per year or 3 pounds per hour.
10. Emissions of Volatile Organic Compounds on a plant site basis shall not exceed 20 tons per year or 14 pounds per hour

## AIR POLLUTION EPISODES

11. The permittee may elect to file a Source Emission Reduction Plan (SERP) with the Department in accordance with OAR 340-27-015, specifying the procedures the permittee will follow in the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Portland area by the Department. The Source Emission Reduction Plan shall be available on the source premises for inspection by any authorized personnel.
12. In the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Portland area by the Department, the permittee shall take actions appropriate to the declared Air Pollution Episode as listed in the Source Emission Reduction Plan on file with the Department, or with Oregon Administrative Rules 340, Division 27 "Air Pollution Emergencies" if no Source Emission Reduction Plan has been filed with the Department.

Air Pollution Episodes will be declared by the Department and information will be made available through the radio and television media.



PROPOSED

**SPECIAL CONDITIONS**

13. The permittee shall notify the Department in writing of the date the new hot oil heater is started up. The notification shall be submitted no later than seven (7) days after startup.
14. All nuisance condition complaints shall be investigated by a plant representative immediately following receipt of such a complaint. A log of all complaints shall be maintained at the plant site and shall include date of contact, time of observed nuisance condition, description of nuisance condition, location of receptor, and status of plant operation during the observed period. The nuisance complaint log shall be maintained on site for a period of not less than two years, and be made available to Department representatives upon request.

**MONITORING REQUIREMENTS**

15. The permittee shall effectively inspect and monitor the operation and maintenance of the plant and associated air contaminant control facilities and shall implement the procedures necessary to monitor and record the following parameters. A record of all such data shall be maintained for a period of two years at the plant site for inspection by the authorized representatives of the Department.
  - a. All operating and production parameters to be reported to the Department annually as required in Condition 16.
  - b. Excess emissions records as defined in OAR 340-28-1400 through 340-28-1440 (recorded on occurrence)
  - c. A description of any maintenance to the air contaminant control system (recorded on occurrence)

**REPORTING REQUIREMENTS**

16. The permittee shall submit to the Department by January 15 of each year this permit is in effect two (2) copies of the following information for the preceding calendar year:
  - a. Operating parameters:
    - i. Annual throughput of coal tar pitch
    - ii. Annual throughput of heavy oil
    - iii. Total boiler operating time (hours/year)
    - iv. Total hot oil heater operating time (hours/year)
    - v. Highest sulfur content of oil burned (obtained from supplier)
    - vi. Types and quantities of fuels burned (gallons or MMCF)
    - vii. Average plant operating schedule (hours/day, days/week, weeks/year)
  - b. Computations of total VOC and HAPs emissions for the previous calendar year.

# PROPOSED

- c. A log of all planned and unplanned excess emissions in accordance with OAR 340-28-1440.
- d. A summary of all odor complaints received during the year; by specifying the number of complaints on each date that complaints were received.
- e. Explain any permanent changes made in the plant process or production which would effect air contaminant emissions, and indicate when changes were made.
- f. List all major maintenance performed on air pollution equipment
- g. The report shall be sent to the Northwest Region, 2020 SW 4th Ave., #400, Portland, Oregon 97201-4987 unless otherwise noted. The permit number must be prominently displayed on the report.

## FEE SCHEDULE

- 17. The Annual Compliance Determination Fee for this permit is due on August 1 of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date. The fee shall be submitted to the Business Office of the Department in Portland (unless otherwise notified).
- 18. The Application Processing and Filing fees for renewal of this permit are due on July 1, 2002, and must be submitted at least 60 days prior to the permit expiration date. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date. The fee and application shall be submitted to the Business Office of the Department in Portland (unless otherwise notified).

## GENERAL CONDITIONS AND DISCLAIMERS

- G1. The permittee shall allow Department of Environmental Quality representatives access to the plant site and pertinent records at all reasonable times for the purposes of making inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emission discharge records and otherwise conducting all necessary functions related to this permit in accordance with ORS 468.095.
- G2. The permittee shall have available at the facility at all times a copy of the Air Contaminant Discharge Permit.
- G3. The permittee is prohibited from conducting open burning.
- G4. The permittee shall at all times conduct dust suppression measures to meet the requirements set forth in "Fugitive Emissions" and "Nuisance Conditions" in OAR 340-21-050 through 340-21-060 and in OAR 340-30-440.

PROPOSAL

- G5. The permittee shall immediately (i.e. as soon as possible but in no case more than one hour after the beginning of the excess emission period) notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health, in accordance with OAR 340-28-1430. Follow-up reporting shall be made in accordance with Department direction and OAR 340-28-1430(3) and 340-28-1440.

Notification shall be made to the appropriate regional or branch office. The current Northwest Region telephone number is (503) 229-5554.

In the event of any excess emissions which are of a nature that could endanger public health and occur during non-business hours, weekends, or holidays, the permittee shall immediately notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.

- G6. The permittee shall notify the Department in writing using a Departmental "Notice of Construction" form, or "Permit Application Form", and obtain approval in accordance with OAR 340-28-800 through 340-28-820 before:

- a. Constructing or installing any new source of air contaminant emissions, including air pollution control equipment, or
- b. Modifying or altering an existing source that may significantly affect the emission of air contaminants, or
- c. Making any physical change which increases emissions, or
- d. Changing the method of operation, the process, or the fuel use, or increasing the normal hours of operation to levels above those contained in the permit application and reflected in this permit and which result in increased emissions.

- G7. Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A Filing Fee and an Application Processing Fee must be submitted with an application for the permit modification.

- G8. The permittee shall notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

- a. legal change of the registered name of the company with the Corporations Division of the State of Oregon, or
- b. sale or exchange of the activity or facility.

Applicable Permit Fees must be submitted with an application for the name change.

- G9. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

- G10. This permit is subject to revocation for cause as provided in OAR 340-14-045.

**ALL INQUIRIES SHOULD BE DIRECTED TO:**

Department of Environmental Quality  
Northwest Region - Air Quality  
2020 SW 4th Avenue, Suite 400  
Portland, Oregon 97201-4987  
Telephone: (503) 229-5554

# PROPOSE

Permit Number: 26-2930

Application No.: 16551

Page 1 of 4 Pages

Department of Environmental Quality  
Northwest Region  
**AIR CONTAMINANT DISCHARGE PERMIT APPLICATION REVIEW REPORT**

**Koppers Industries, Inc.**  
**7540 NW St. Helens Road**  
**Portland, OR 97210-3663**

SOURCE TEST	AMB MON	COMPL SCHED	SPEC COND	RPT FREQ	EXCESS RPT	NSPS	NSR	PSD	NESHAP	SIZE	PUB NTC
			Y	A						A-2	Y

## GENERAL BACKGROUND INFORMATION

1. This is a new permit for an existing source. In March 1975, Koppers Co., Inc. proposed a coal tar pitch processing facility. A permit was written to cover the operation of the proposed facility. In January 1976, the company informed the Department that the proposed operation would not be added to the facility. The permit was modified to allow the marketing of the remaining 3600 tons of coal tar on hand as roofing bitumen. The Department then canceled the permit as the facility reverted to being a terminal facility only.

In response to a complaint in Koppers' geographical area, several facilities were visited. Department staff discovered an oil-fired boiler operating without a permit. The facility contains a 21 Mm Btu/hour boiler with the capability of burning oil. Under OAR 340-28-1750, Table 4 (formerly OAR 340-20-155, Table 1), all oil fired boilers greater than 10 MM Btu/hour input capacity in the Portland Air Quality Maintenance Area are required to have an air discharge permit. Because the Department had mistakenly canceled the permit in 1977, no enforcement action was taken against the source.

The company proposes to replace an 8 MM Btu/hour natural gas fired hot oil heater to provide heat to storage tanks. The old heater will be used as a back-up. Gaseous emissions from the tanks will be ducted to the hot oil heater for incineration. Installation of a heated pipeline and two liquid pitch storage tanks is planned within the next two years.

The facility now receives, stores, and transfers creosote. The company plans to cease its shipments of creosote and instead move heavy oil and coal tar pitch (pencil pitch). Pencil pitch is received in solid form, placed in tanks and heated, then moved through pipes to load onto rail cars or tank cars. The heavy oil is also heated for ease of movement.

**PROPOSED**

2. The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants. The facility is an insignificant source of CO, NO<sub>x</sub>, and VOC. The area is in attainment for all other pollutants.
3. A Land Use Compatibility Statement signed by the City of Portland on September 15, 1997 granted unconditional approval.
4. The Department has issued a water quality permit to this facility, NPDES 100419. The plant site includes 25 tanks for the collection and storage of storm water.
5. Air contaminant sources at the facility for the coming permit period are:

EQUIPMENT	MFG/MODEL	CAPACITY/ PROD. RATE	SCC*	INSTALLED/ MODIFIED
Oil-fired boiler	N. American	21 MM Btu/hr	3-06-001-03	1965
Gas-fired heater	TBD	8 MM Btu/hr	3-06-001-02	1998/99
Pitch/oil transfer system	n/a	150,000 gal/yr	unknown	1965 inst. 2000 mod.

\*Source Classification Code, U.S. EPA reference

#### HAZARDOUS AIR POLLUTANTS (HAPS)

6. The heating of these substances causes certain hazardous air pollutants (HAPS) to be driven off. The HAPS include naphthalene, quinoline, biphenyl, dibenzofuran, benzene, and toluene, and others in lesser quantities. Maximum total combined HAPS emissions will be 3.1 tons per year, which also represents the facility's potential to emit HAPS. After the new equipment is installed, total combined HAPS emissions are estimated at 0.001 tons per year. The current fume recovery system will be changed to a fume combustion system by feeding the HAP emissions collected by the fume recovery system through the facility's boiler for incineration. The emission levels noted in this paragraph were based upon maximum potential emissions under the facility's configuration after the heated pipeline, new storage tanks, and fume combustion systems are installed. Further details are contained in the source file.

#### PLANT SITE EMISSION LIMIT (PSEL) INFORMATION

##### **ORIGINAL PLANT SITE EMISSION LIMIT**

7. The facility was in operation during the baseline years. Baseline year information has not been provided, however, so Baseline Emission Rates have not been established.

# PROPOSED

Permit Number: 26-2930

Application No.: 16551

Page 3 of 4 Pages

## PROPOSED PLANT SITE EMISSION LIMIT

8. The normal operating schedule for the equipment is 24 hrs/day x 7 days/wk x 52 wks/yr = 8,736 hrs/yr.
9. Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet of natural gas. Maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.
10. Throughput of pencil pitch is expected to be 70,000 gallons per year, and a maximum of 100 gallons per hour.
11. An emission summary is below. Refer to the Plant Site Emission Detail Sheet, attached.

Source	SO <sub>2</sub> tons/yr (lbs/hr)	NO <sub>x</sub> tons/yr (lbs/hr)	CO tons/yr (lbs/hr)	VOC tons/yr (lbs/hr)
Oil combustion	21.3 (20.0)	6.0 (5.6)	1.5 (1.4)	0.06 (0.06)
Gas combustion	0.4 (0.1)	22.4 (5.6)	5.6 (1.4)	0.45 (0.11)
Material transfer				19.25 (14.1)
Totals	21.7 (20.1)	28.4 (11.2)	7.1 (2.8)	19.7 (14.3)

12. Emissions of PM and PM10 are considered negligible and are not included in the Plant Site Emission Limit, shown below.

Pollutant	Short-Term Limit	Annual Limit
Sulfur dioxide (SO <sub>2</sub> )	20 Lb/Hour	22 Tons/Year
Nitrogen oxides (NO <sub>x</sub> )	11 Lb/Hour	28 Tons/Year
Carbon Monoxide (CO)	3 Lb/Hour	7 Tons/Year
Volatile Organics (VOC)	14 Lb/Hour	20 Tons/Year

## SIGNIFICANT EMISSION RATE

13. The Plant Site Emission Limit increase over baseline is less than the Significant Emission Rate (SER) as defined in OAR 340-28-110 for all pollutants and is shown below. No further air quality analysis is required for those pollutants.

# PROPOSED

Permit Number: 26-2930

Application No.: 16551

Page 4 of 4 Pages

## Significant Emission Rates:

Pollutant	Baseline (tons/yr)	Current PSEL (tons/yr)	Increase (tons/yr)	SER (tons/yr)
SO <sub>2</sub>	0	22	22	40
NO <sub>x</sub>	0	28	28	40
CO	0	7	7	100
VOC	0	20	20	40

## ADDITIONAL REQUIREMENTS

14. Special conditions contained in the permit include the requirement to notify the Department upon installation of the 8 MM Btu/hour heater, and to make a response to all complainants.
15. The source is required to submit reports to the Department annually.
16. The source is not subject to immediate (within one hour) reporting of excess emissions, except when the emissions may endanger public health.
17. This source is not subject to federal regulations for New Source Performance Standards (NSPS).
18. This source is not subject to federal regulations for New Source Review.
19. This source is not subject to federal regulations for Prevention of Significant Deterioration (PSD).
20. This source is not subject to federal regulations for National Emissions Standards for Hazardous Air Pollutants (NESHAP).

## PUBLIC NOTICE

The configuration of the plant differs greatly from the time the last permit was issued. Therefore the permit was placed on public notice from March 16, 1998 to April 15, 1998. No comments were received. During the public notice, the applicant informed the Department of a change in plans that would increase gaseous emissions. The proposed permit has been modified, and will again be put on public notice from February 9, 1999 to March 11, 1999.

KAmidon:Edruback  
2/10/1998



# PROPOSAL

Koppers Ind.									
ACDP 26-2930									
Plant Site Emission Detail Sheet									
		Fuel Usages	Pollutant	DEQ Emission Factor		Emissions			
Fuel:									
Oil, distillate	600	Thou. Gallons/year	PM	2	Lb/1,000 gal.	0.60	Tons/yr	0.56	Lb/hr
	282	Gal./hour	PM10	1	Lb/1,000 gal.	0.30	Tons/yr	0.28	Lb/hr
			SO2	71	Lb/1,000 gal.	21.30	Tons/yr	20.02	Lb/hr
			Nox	20	Lb/1,000 gal.	6.00	Tons/yr	5.64	Lb/hr
			CO	5	Lb/1,000 gal.	1.50	Tons/yr	1.41	Lb/hr
			VOC	0.2	Lb/1,000 gal.	0.06	Tons/yr	0.06	Lb/hr
Natural gas	321	MM Cubic Ft./year	PM	2.5	Lb/MMCF	0.40	Tons/yr	0.10	Lb/hr
	0.04	MM Cubic Ft./hour	PM10	2.5	Lb/MMCF	0.40	Tons/yr	0.10	Lb/hr
			SO2	2.6	Lb/MMCF	0.42	Tons/yr	0.10	Lb/hr
			Nox	140	Lb/MMCF	22.47	Tons/yr	5.60	Lb/hr
			CO	35	Lb/MMCF	5.62	Tons/yr	1.40	Lb/hr
			VOC	2.8	Lb/MMCF	0.45	Tons/yr	0.11	Lb/hr
Material Transfer System	70	Thou. Gallons/year	VOC			19.25	Tons/yr	14.1	Lb/hr
	100	Gal./hour							

2/01/1999

Koppers012935

**RECEIVED**

FEB 12 1999

KOPPERS INDS, INC.  
PORTLAND OR

**NOTICE OF INTENT TO CONSTRUCT****Instructions**

The owner/operator is required to submit this form if he/she is proposing to construct, install, or establish a new source of emissions of regulated air pollutants. The owner/operator should note that a Notice of Intent to Construct (NC) is *not* appropriate if the proposed construction/installation/establishment would cause emissions to exceed the Plant Site Emissions Limit (PSEL) of an existing facility or would invoke new applicable requirements (such as New Source Performance Standards or additional monitoring requirements). In such a case, the owner/operator would need to apply for a permit modification.

The terms construction, installation, and establishment refer to the following:

- The addition to or enlargement or replacement of a source of regulated air pollutants; and
- An alteration or modification of an existing source that may affect emissions.

The following types of emissions sources, in the cases of construction, installation, or establishment described above, are subject to this Notice of Intent to Construct (NC):

- Process equipment having emissions to the atmosphere;
- Air pollution control devices;
- Fuel burning equipment rated at 400,000 BTU/hour or greater;
- Refuse burning equipment rated at 50 lbs/hour or greater;
- Other sources that the Department determines to be significant sources of air emissions.

If the proposed project involves constructing/establishing a *new* source that falls within the categories of sources identified above, then the owner/operator is required to submit a completed NC and receive DEQ approval *before* beginning actual construction of the source. If, however, the proposed new source is of a type listed on DEQ's fee table (OAR 340-28-1750, Table 4), then the owner/operator must submit an application of a new Air Contaminant Discharge Permit (ACDP), rather than an NC.

The owner/operator should note that an NC is *not* required for changes that meet any of the following criteria:

- The change does not affect pollutant-emitting equipment, as identified in the permit;
- The change is insignificant, as determined by DEQ;
- The change does not affect the performance of pollution control equipment (other than routine maintenance); *and*
- The change does not affect the monitoring or compliance certification requirements for the facility.

**Instructions**

1. Permit Number. Enter the number of the facility's current ACDP. If the facility does not have a current permit, leave this section blank. The Department will assign a file number.
2. Legal company name and mailing address. Enter the legal name of the company as it is registered with the Oregon Secretary of State's Office, Corporations Division.
3. Facility name and location address, if different from the information provided in question 2.
  - a. Provide the location—street—address for the facility. If the facility is not located on a street, provide other directional information such as nearby cross streets (i.e., northwest of 3<sup>rd</sup> Ave. At Howard Street). If the facility is located in an industrial park, provide the name and address of the park.
  - b. Provide the city name and zip code. If the facility is located in an un-incorporated area of a county, enter "un-incorporated" and identify the nearest municipality.
  - c. Enter the county name.

**NOTICE OF INTENT TO CONSTRUCT**

4. Compliance contact. Provide the name, title, mailing address, area code, and telephone number for the individual responsible for the facility's compliance with applicable air quality regulations.
5. Information/clarification contact. Provide the name, title, mailing address, area code, and telephone number for the individual who should be contacted regarding this Notice of Intent to Construct. If this information is the same as that provided in question 4, enter "same."
6. Provide up to four four-digit Standard Industrial Classification (SIC) codes characterizing the business activities that will be associated with the proposed construction. If this Notice of Intent to Construct is for a new facility, then the first SIC code listed should be the primary SIC—that is, the SIC code under which the facility is, or will be, registered with the Secretary of State for the state of Oregon (e.g., 2421 for sawmill). If this Notice of Intent to Construct is for an addition to an existing facility, then the SIC codes listed should be those associated with the construction only.
7. Indicate (yes or no) whether the facility already holds a DEQ-issued stormwater, water, solid waste, or hazardous waste permit. If "yes," specify the type of permit (e.g. solid waste, water, NPDES, etc.) and the permit number.
8. Indicate (yes or no) whether this project will result in increased production capacity/throughput, increased emissions, and/or the emission of regulated air pollutants that previously had not been emitted. If the owner/operator indicates "yes," then this construction/operational change may require a new permit or modification of an existing permit. The owner/operator should talk to the DEQ permit writer about regulatory requirements in this area before submitting this form to DEQ.
9. If the proposed construction addressed in this Notice of Intent to Construct meets any of the following four criteria, the owner/operator is required to complete and submit an updated Land Use Compatibility Statement:
  - The construction is for a new facility;
  - The construction is a facility expansion;
  - The construction will cause an increase in emissions of regulated air pollutants; or
  - A current Land Use Compatibility Statement is not on file with DEQ.

The Land Use Compatibility (LUCS) form is provided with ACDP application materials by the DEQ.

10. Provide a technical description of the proposed construction. This should include a description of the type of facility to be constructed or equipment to be installed, and its function. If the owner/operator requires additional space to describe the proposed construction, he/she may attach additional pages. Each attached page should have the facility name prominently identified at the top and should be numbered consecutively.
11. The owner/operator should describe fuel usage associated with the constructed source by completing and attaching relevant forms from Form Series AQ200, Device/Process Forms (e.g. Form AQ210, Fuel Burning Device).
12. The owner/operator should complete and attach Form AQ301, Control Device Description, to describe the types of control equipment to be used. The owner/operator should attach to the completed Form AQ301 any additional text necessary to describe fully all pollution control and emissions reduction processes. Each attached page should have the facility name prominently identified at the top and should be numbered consecutively.
13. Prepare and attach a process flow diagram illustrating the proposed construction. Consult with the DEQ Permit Writer about the level of detail required. The diagram should identify:
  - The location of all control devices and their relationship to the production process(es); and
  - The location of all fuel-burning devices/processes.

## NOTICE OF INTENT TO CONSTRUCT

14. The owner/operator should provide summary pre-construction and post-construction emissions data in the table provided on the answer sheet. Before completing the table, first review all of the information requested in subparts a through d, below.
- a. List all emissions points at the facility
  - b. For *each* emissions point identified under subpart a, list the regulated air pollutant(s) emitted.

The owner/operator should note that eleven rows have been provided on the answer sheet for question 15. If the owner/operator requires additional space, he/she may attach as many copies as necessary of page 2 of the answer sheet. Each attached page should have the facility name prominently identified at the top and should be numbered consecutively.

- c. Provide the short-term and annual pre-construction emissions. Short-term emissions should be provided in units of pounds per hour, or other alternate basis such as gallons per day; the owner/operator should specify the unit used. Annual emissions should be provided in units of tons per year.
  - d. Provide the short-term and annual post-construction emissions. Short-term emissions should be provided in units of pounds per hour, or other alternate basis such as gallons per day/ the owner/operator should specify the unit used. Annual emissions should be provided in units of tons per year.
15. Describe the pre-construction waste disposal practices at this facility.
16. Describe the post-construction waste disposal practices at this facility.
17. Describe the time period during which the proposed construction would take place.
- a. Indicate the date on which construction did or will commence. This refers to the date on which the owner/operator first makes a financial commitment to begin construction.
  - b. Indicate the date on which construction is anticipated to begin. This refers to the date on which the physical activity of construction will begin.
  - c. Indicate the date on which construction is anticipated to be completed such that the facility is operational for purposes of shakedown.
18. Indicate (yes or no) whether tax credits will be requested once construction is completed.
19. The owner/operator is required to sign this application. The application should be signed by the official at the facility responsible for the facility's compliance with air quality regulations and knowledgeable of the truth, accuracy, and completeness of the contents of this application. The official may be the owner, the plant manager, the head of environmental affairs, etc.

**Identification Information**

1. Permit Number \_\_\_\_\_

<b>2. Legal Company Name:</b>  _____ Company Name  _____ Mailing Address  _____ City, State, Zip	<b>3. Facility Name: (if different from legal company name)</b>  _____ Facility Name  _____ Location Address  _____ City, State, Zip
<b>4. Compliance Contact:</b>  _____ Name & Title  _____ Mailing Address  _____ Area Code & Telephone Number	<b>5. Information/Clarification Contact:</b>  _____ Name & Title  _____ Location Address  _____ Area Code & Telephone Number

**Facility Information**

6. SIC Codes: \_\_\_\_\_

7. Other Department permits? (y/n; if y, specify type and permit number) Yes \_\_\_\_\_ No \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Increased capacity/emissions, new pollutants? Yes \_\_\_\_\_ No \_\_\_\_\_

9. If applicable, attach a Land Use Compatibility Statement.

**Construction Information**10. Description of proposed construction: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

11. Attach relevant forms from Form Series AQ200, Device/Process Forms, if applicable.
12. Attach Form AQ301, Control Device Description, if applicable.
13. Attach a process flow diagram.

**Emissions Data**

14. Pre-and Post-Construction emissions summary data

a. Emissions Point	b. Pollutant	c. Pre-Construction Emissions		d. Post-Construction Emissions	
		short-term (specify unit)	annual (tons/year)	short-term (specify unit)	annual (tons/year)

15. Description of waste disposal practices *before* the construction: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
16. Description of waste disposal practices *after* the construction: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Construction Data

17. Timing of construction.

a. Commence date (mm/dd/yy) \_\_\_\_\_

b. Begin date (mm/dd/yy) \_\_\_\_\_

c. Completion date (mm/dd/yy) \_\_\_\_\_

18. Will tax credits be requested once construction is completed? Yes \_\_\_\_\_ No \_\_\_\_\_

Signature

19. Signature

*I hereby certify that I have completed this application to the best of my ability and that the information herein and in the attached exhibits is true and correct to the best of my knowledge.*

\_\_\_\_\_  
Name of Authorized Representative\_\_\_\_\_  
Title\_\_\_\_\_  
Signature\_\_\_\_\_  
Date (mm/dd/yy)





# Oregon

John A. Kitzhaber, M.D., Governor

March 16, 1998

## Department of Environmental Quality

Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, OR 97201-4987  
(503) 229-5263 Voice  
TTY (503) 229-5471

KOPPERS INDUSTRIES, INC.  
7540 NW ST. HELENS ROAD  
PORTLAND, OR 97210

RE: PUBLIC NOTICE FOR AIR  
CONTAMINANT DISCHARGE PERMIT  
PERMIT NO. 26-2930

Your application for an Air Contaminant Discharge Permit has been reviewed by the Department of Environmental Quality and a proposed permit has been drafted. The Department has issued a public notice from March 18, 1998 to April 17, 1998. You are invited to review the attached copy of the proposed permit and submit any comments you may have prior to the end of the notice period.

The public notice is distributed to interested individuals and the media.

All comments received will be evaluated by the Department and action on the proposed permit will be taken in the near future.

Sincerely,

A handwritten signature in cursive script that reads "Sandi Hall".

Sandi Hall  
Permit Coordinator  
Air Quality / Northwest Region

SH:slh

Enclosure

RECEIVED

KOPPERS INDUSTRIES, INC.  
PORTLAND, OR

*Oregon Department of Environmental Quality*  
**A CHANCE TO COMMENT ON...**

**PUBLIC NOTICE**

Comments Due: April 17, 1998

---

**WHO IS THE  
APPLICANT:**

The following facility has applied for a new Air Contaminant Discharge Permit.

**Koppers Industries, Inc.**  
7540 NW St. Helens Road  
Portland, Oregon

**Permit Number: 26-2930**

The DEQ has conducted a preliminary review of this application and is providing an opportunity for public comment.

---

**WHAT IS  
PROPOSED:**

In March 1975, Koppers Co., Inc. proposed a coal tar pitch processing facility. A permit was written to cover the operation of the proposed facility. In January 1976, the company informed the Department that the proposed operation would not be added to the facility. The permit was modified to allow the marketing of the remaining 3600 tons of coal tar on hand as roofing bitumen. The Department then canceled the permit as the facility reverted to being a terminal facility only.

In response to a complaint in Koppers' geographical area, several facilities were visited. Department staff discovered an oil-fired boiler operating without a permit. The facility contains a 21 MM Btu/hour boiler with the capacity of burning oil. All oil fired boilers greater than 10 MM Btu/hour input capacity in the Portland Air Quality Maintenance Area are required to have an air discharge permit. Because the Department had mistakenly canceled the permit in 1977, no enforcement action was taken against the source.

The company proposes to add an 8 MM Btu/hour natural gas fired hot oil heater to provide heat to storage tanks. Gaseous emissions from the tanks will be ducted to the hot oil heater for incineration. Installation of a heated pipeline is planned in the next two years.

The proposed permit is a new permit for an existing source. The proposed permit will expire on September 1, 2002.

---

**PERTINENT  
AIR  
PROGRAMS:**

At the time of application review, this source was not subject to New Source Performance Standards (NSPS), New Source Review (NSR), Prevention of Significant Deterioration (PSD), or National Emissions Standards for Hazardous Air Pollutants (NESHAPS). The source is located in a maintenance area for ozone and carbon monoxide, the area is in attainment for all other pollutants.

---

**OTHER DEQ  
PERMITS  
ISSUED:**

Other permits issued to this facility by the Department include a water quality permit NPDES #100419.

**DESCRIPTION  
OF  
DISCHARGE:**

Proposed Plant Site Emission Limits at the facility are shown below and are expressed in tons per year.

SO <sub>2</sub> tons/year	NO <sub>x</sub> tons/year	CO tons/year
3.8	13.9	3.5

PM, PM<sub>10</sub>, and VOC are emitted at less than 1.0 tons/year and are not included in the PSEL.

**SPECIAL  
PERMIT  
CONDITIONS:**

Special conditions contained in the permit include the requirement to notify the Department upon installation of the 8 MM Btu/hour heater. Also all nuisance condition complaints shall be investigated by a plant representative immediately following receipt of such a complaint. A log of all complaints shall be maintained at the plant site and shall include date of contact, time of observed nuisance condition, description of nuisance condition, location of receptor, and status of plant operation during the observed period.

**WHERE TO  
FIND OTHER  
DOCUMENTS:**

Copies of the proposed permit and review report are available at the Central Branch of the Multnomah County Public Library in Portland, Oregon. For technical information, contact Kathy Amidon of DEQ at (503) 229-5568.

The current application is available for public inspection by calling (503) 229-5582. Historical file records, if any, are available for viewing at DEQ's Northwest Region Office, 2020 SW 4th Avenue, Suite 400, Portland, OR 97201. File review hours are 9 a.m. to Noon and 1 p.m. to 4 p.m. Tuesday through Thursday. Call (503) 229-5554 or (TTY) (503) 229-5471. The building is wheelchair accessible and those with special needs should alert this office when making an appointment. This publication is available in alternate format (e.g. large print, Braille) upon request. Please contact DEQ Public Affairs at (503) 229-5317 to request an alternate format.

**HOW TO  
COMMENT:**

Written comments should be mailed to: DEQ/AQ, Permit Coordinator, 2020 SW 4th Avenue, Suite 400, Portland, OR 97201-4987. Copies of the proposed permit may be requested from Sandi Hall at (503) 229-5582. Written comments will be accepted by DEQ until 5:00 p.m., April 17, 1998.

**HOW TO  
REQUEST A  
HEARING:**

If written comments indicating significant public interest or written requests from at least 10 persons, or an organization representing at least 10 persons, are received on this application, DEQ will provide a public hearing. Requests for hearing must be in writing and will be accepted by the Department until 5:00 p.m., April 17, 1998.

**WHAT  
HAPPENS  
NEXT:**

The Department will review all information received during the chance to comment period. Following this review, the permit may be issued as proposed, modified or denied.

Permit No.: 26-2930  
Expiration Date: 9/1/2002  
Page 1 of 6 Pages

# PROPOSED

## AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality  
Northwest Region  
2020 SW 4th, Suite 400  
Portland, Oregon 97201-5884  
Telephone: (503) 229-5263

Issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

---

**ISSUED TO:**

Koppers Industries, Inc.  
7540 NW St. Helens Road  
Portland, OR 97210-3663

---

**INFORMATION RELIED UPON:**

Application No: 16551  
Date received: 8/25/97

**PLANT SITE LOCATION:**

7540 NW St. Helens Road  
Portland, OR

**LAND USE COMPATIBILITY STATEMENT:**

From: City of Portland  
Dated: 9/15/97

**ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY:**

---

Neil Mullane, Northwest Region Administrator

---

Dated

---

**Source(s) Permitted to Discharge Air Contaminants:****TYPE OF FACILITY**

(from Table 4, OAR 340-28-1750)

**STANDARD INDUSTRY CODE**

58.b. Boiler located in Portland AQMA, 10 MM Btu/hour  
energy input, distillate oil fired

4961

# PROPOSED

## PERMITTED ACTIVITIES

The permittee is herewith allowed to discharge exhaust gases from those processes and activities directly related to or associated with the air contaminant source(s) listed above in accordance with the requirements, limitations, and conditions of this permit, until such time as this permit expires or is modified or revoked.

Compliance with the specific requirements, limitations and conditions contained herein does not relieve the permittee from complying with all other laws, rules and standards administered by the Department, nor does it allow significant levels of emissions of air contaminants not limited in this permit or contained in the permit application.

## PERFORMANCE STANDARDS AND EMISSION LIMITS

1. Particulate emissions from any single air contaminant source shall not exceed any of the following:
  - a. 0.2 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air, for sources existing prior to June 1, 1970;
  - b. 0.1 grains per standard cubic foot, corrected to 12% CO<sub>2</sub> or 50% excess air, for sources installed, constructed, or modified after June 1, 1970; and
  - c. An opacity equal to or greater than twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor.
  - d. Particulate matter which is larger than 250 microns and which may be deposited upon the real property of another person shall not be emitted.
2. The permittee shall not allow the emission of odorous matter or other fugitive emissions so as to create nuisance conditions off the permittee's property. Nuisance conditions will be verified by Department personnel. The creation of nuisance conditions may, in addition to any other action the Department may take, result in a permit modification to require a compliance schedule to control the nuisance conditions.

## OPERATIONS AND MAINTENANCE

3. The permittee shall at all times maintain and operate all air contaminant generating processes and all air contaminant control equipment at full efficiency and effectiveness, such that the emissions of air contaminants are kept at the lowest practicable levels.
4. The permittee shall minimize fugitive dust emissions by:
  - a. Treating vehicular traffic areas of the plant site under the control of the permittee.
  - b. Storing collected material from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

# PROPOSED

Permit No.: 26-2930  
Expiration Date: 9/1/2002  
Page 3 of 6 Pages

5. A maintenance service must be performed on the boiler at least once every two years. As a minimum, the service must include an inspection of the burners and refractory chamber, cleaning, adjustment, and repair as necessary. Records of the service shall be maintained on site for a period of at least two years.

## PLANT SITE EMISSION LIMITS

6. Emissions of Sulfur Dioxide on a plant site basis shall not exceed 3.8 tons per year or 10.0 pounds per hour.
7. Emissions of Nitrogen Oxides on a plant site basis shall not exceed 13.9 tons per year or 7.0 pounds per hour.
8. Emissions of Carbon Monoxide on a plant site basis shall not exceed 3.5 tons per year or 1.8 pounds per hour.

## AIR POLLUTION EPISODES

9. The permittee may elect to file a Source Emission Reduction Plan (SERP) with the Department in accordance with OAR 340-27-015, specifying the procedures the permittee will follow in the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Portland area by the Department. The Source Emission Reduction Plan shall be available on the source premises for inspection by any authorized personnel.
10. In the event an Air Pollution Alert, Warning, or Emergency Episode is declared in the Portland area by the Department, the permittee shall take actions appropriate to the declared Air Pollution Episode as listed in the Source Emission Reduction Plan on file with the Department, or with Oregon Administrative Rules 340, Division 27 "Air Pollution Emergencies" if no Source Emission Reduction Plan has been filed with the Department.

Air Pollution Episodes will be declared by the Department and information will be made available through the radio and television media.

## SPECIAL CONDITIONS

11. The permittee shall notify the Department in writing of the date the new hot oil heater is started up. The notification shall be submitted no later than seven (7) days after startup.
12. All nuisance condition complaints shall be investigated by a plant representative immediately following receipt of such a complaint. A log of all complaints shall be maintained at the plant site and shall include date of contact, time of observed nuisance condition, description of nuisance condition, location of receptor, and status of plant operation during the observed period.

Permit No.: 26-2930

Expiration Date: 9/1/2002

Page 4 of 6 Pages

# PROPOSED

- a. The nuisance complaint log shall be maintained on site for a period of not less than two years, and be made available to Department representatives upon request.

## MONITORING REQUIREMENTS

13. The permittee shall effectively inspect and monitor the operation and maintenance of the plant and associated air contaminant control facilities and shall implement the procedures necessary to monitor and record the following parameters. A record of all such data shall be maintained for a period of two years at the plant site for inspection by the authorized representatives of the Department.
  - a. All operating and production parameters to be reported to the Department annually as required in Condition 14.
  - b. Excess emissions records as defined in OAR 340-28-1400 through 340-28-1440 (recorded on occurrence)
  - c. A description of any maintenance to the air contaminant control system (recorded on occurrence)

## REPORTING REQUIREMENTS

14. The permittee shall submit to the Department by January 15 of each year this permit is in effect two (2) copies of the following information for the preceding calendar year:
  - a. Operating parameters:
    - i. Total boiler operating time (hours/year)
    - ii. Total hot oil heater operating time (hours/year)
    - iii. Highest sulfur content of oil burned (obtained from supplier)
    - iv. Types and quantities of fuels burned (gallons or MMCF)
    - v. Average plant operating schedule (hours/day, days/week, weeks/year)
  - b. A log of all planned and unplanned excess emissions in accordance with OAR 340-28-1440.
  - c. A summary of all odor complaints received during the year; by specifying the number of complaints on each date that complaints were received.
  - d. Explain any permanent changes made in the plant process or production which would effect air contaminant emissions, and indicate when changes were made.
  - e. List all major maintenance performed on air pollution equipment

# PROPOSED

Permit No.: 26-2930  
Expiration Date: 9/1/2002  
Page 5 of 6 Pages

- f. The report shall be sent to the Northwest Region, 2020 SW 4th Ave., #400, Portland, Oregon 97201-5884 unless otherwise noted. The permit number must be prominently displayed on the report.

## FEE SCHEDULE

15. The Annual Compliance Determination Fee for this permit is due on August 1 of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date. The fee shall be submitted to the Business Office of the Department in Portland (unless otherwise notified).

## GENERAL CONDITIONS AND DISCLAIMERS

- G1. The permittee shall allow Department of Environmental Quality representatives access to the plant site and pertinent records at all reasonable times for the purposes of making inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emission discharge records and otherwise conducting all necessary functions related to this permit in accordance with ORS 468.095.
- G2. The permittee shall have available at the facility at all times a copy of the Air Contaminant Discharge Permit.
- G3. The permittee is prohibited from conducting open burning.
- G4. The permittee shall at all times conduct dust suppression measures to meet the requirements set forth in "Fugitive Emissions" and "Nuisance Conditions" in OAR 340-21-050 through 340-21-060 and in OAR 340-30-440.
- G5. The permittee shall immediately (i.e. as soon as possible but in no case more than one hour after the beginning of the excess emission period) notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health, in accordance with OAR 340-28-1430. Follow-up reporting shall be made in accordance with Department direction and OAR 340-28-1430(3) and 340-28-1440.

Notification shall be made to the appropriate regional or branch office. The current Northwest Region telephone number is (503) 229-5554.

In the event of any excess emissions which are of a nature that could endanger public health and occur during non-business hours, weekends, or holidays, the permittee shall immediately notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.

- G6. The permittee shall notify the Department in writing using a Departmental "Notice of Construction" form, or "Permit Application Form", and obtain approval in accordance with OAR 340-28-800 through 340-28-820 before:



# PROPOSED

Permit No.: 26-2930  
Expiration Date: 9/1/2002  
Page 6 of 6 Pages

- a. Constructing or installing any new source of air contaminant emissions, including air pollution control equipment, or
  - b. Modifying or altering an existing source that may significantly affect the emission of air contaminants, or
  - c. Making any physical change which increases emissions, or
  - d. Changing the method of operation, the process, or the fuel use, or increasing the normal hours of operation to levels above those contained in the permit application and reflected in this permit and which result in increased emissions.
- G7. Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A Filing Fee and an Application Processing Fee must be submitted with an application for the permit modification.
- G8. The permittee shall notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:
- a. legal change of the registered name of the company with the Corporations Division of the State of Oregon, or
  - b. sale or exchange of the activity or facility.

Applicable Permit Fees must be submitted with an application for the name change.

- G9. Application for renewal of this permit must be submitted not less than 60 days prior to the permit expiration date. A Filing Fee, an Application Processing Fee and an Annual Compliance Determination Fee must be submitted with the application for the permit renewal.
- G10. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
- G11. This permit is subject to revocation for cause as provided in OAR 340-14-045.

ALL INQUIRIES SHOULD BE DIRECTED TO:

Department of Environmental Quality  
Northwest Region  
2020 SW 4th, Suite 400  
Portland, Oregon 97201-4987  
Telephone: (503) 229-5554

# PROPOSED

Permit Number: 26-2930

Application No.: 16551

Page 1 of 4 Pages

Department of Environmental Quality  
Northwest Region  
**AIR CONTAMINANT DISCHARGE PERMIT APPLICATION REVIEW REPORT**

Koppers Industries, Inc.  
7540 NW St. Helens Road  
Portland, OR 97210-3663

SOURCE TEST	AMB MON	COMPL SCHED	SPEC COND	RPT FREQ	EXCESS RPT	NSPS	NSR	PSD	NESHAP	SIZE	PUB NTC
				A						A-2	Y

## GENERAL BACKGROUND INFORMATION

1. This is a new permit for an existing source. In March 1975, Koppers Co., Inc. proposed a coal tar pitch processing facility. A permit was written to cover the operation of the proposed facility. In January 1976, the company informed the Department that the proposed operation would not be added to the facility. The permit was modified to allow the marketing of the remaining 3600 tons of coal tar on hand as roofing bitumen. The Department then canceled the permit as the facility reverted to being a terminal facility only.

In response to a complaint in Koppers' geographical area, several facilities were visited. Department staff discovered an oil-fired boiler operating without a permit. The facility contains a 21 Mm Btu/hour boiler with the capability of burning oil. Under OAR 340-28-1750, Table 4 (formerly OAR 340-20-155, Table 1), all oil fired boilers greater than 10 MM Btu/hour input capacity in the Portland Air Quality Maintenance Area are required to have an air discharge permit. Because the Department had mistakenly canceled the permit in 1977, no enforcement action was taken against the source.

The company proposes to add an 8 MM Btu/hour natural gas fired hot oil heater to provide heat to storage tanks. Gaseous emissions from the tanks will be ducted to the hot oil heater for incineration. Installation of a heated pipeline is planned in the next two years.

2. The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO<sub>x</sub>) and volatile organic compounds (VOC), are regulated pollutants. The facility is an insignificant source of CO, NO<sub>x</sub>, and VOC. The area is in attainment for all other pollutants.

# PROPOSED

Permit Number: 26-2930

Application No.: 16551

Page 2 of 4 Pages

3. A Land Use Compatibility Statement signed by the City of Portland on September 15, 1997 granted unconditional approval.
4. The Department has issued a water quality permit to this facility, NPDES 100419.
5. Existing air contaminant sources at the facility consist of the following:

EQUIPMENT	MFG/MODEL	CAPACITY/ PROD. RATE	SCC*	INSTALLED/ MODIFIED
Oil-fired boiler	N. American	21 MM Btu/hr	3-06-001-03	1965
Gas-fired heater		8 MM Btu/hr	3-06-001-02	1998/99

\*Source Classification Code, U.S. EPA reference

## PLANT SITE EMISSION LIMIT (PSEL) INFORMATION

### ORIGINAL PLANT SITE EMISSION LIMIT

6. The facility was in operation during the baseline years. Baseline year information has not been provided, however, so no Baseline Emission Rates have been established.

### PROPOSED PLANT SITE EMISSION LIMIT

7. The normal operating schedule for the equipment is 24 hrs/day x 7 days/wk x 52 wks/yr = 8,736 hrs/yr.
8. Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet. Maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.
9. An emission summary is below. Refer to the Plant Site Emission Detail Sheet, attached.

Source	PM tons/yr (lbs/hr)	PM <sub>10</sub> tons/yr (lbs/hr)	SO <sub>2</sub> tons/yr (lbs/hr)	No <sub>x</sub> tons/yr (lbs/hr)	CO tons/yr (lbs/hr)	VOC tons/yr (lbs/hr)
Oil combustion	0.1 (0.3)	0.5 (0.1)	3.6 (9.9)	1.0 (2.8)	0.3 (0.7)	0.01 (0.03)
Gas combustion	0.2 (0.1)	0.2 (0.1)	0.2 (0.1)	12.9 (4.2)	3.2 (1.1)	0.30 (0.1)
Totals	0.3 (0.4)	0.7 (0.2)	3.8 (10.0)	13.9 (7.0)	3.5 (1.8)	0.31 (0.1)

# PROPOSED

Permit Number: 26-2930

Application No.: 16551

Page 3 of 4 Pages

10. Only the pollutants that will be emitted at the level of 1.0 ton/year or more have been included in the Plant Site Emission Limit, shown below.

Pollutant	Short-Term Limit	Annual Limit
Sulfur dioxide (SO <sub>2</sub> )	10.0 Lb/Hour	3.8 Ton/Year
Nitrogen oxides (NO <sub>x</sub> )	7.0 Lb/Hour	13.9 Ton/Year
Carbon Monoxide (CO)	1.8 Lb/Hour	3.5 Ton/Year

## SIGNIFICANT EMISSION RATE

11. The Plant Site Emission Limit increase over baseline is less than the Significant Emission Rate (SER) as defined in OAR 340-28-110 for all pollutants and is shown below. No further air quality analysis is required for those pollutants.

Pollutant	Baseline (tons/yr)	Current PSEL (tons/yr)	Increase (tons/yr)	SER (tons/yr)
SO <sub>2</sub>	0	3.8	3.8	40
NO <sub>x</sub>	0	13.9	13.9	40
CO	0	3.5	3.5	100

## ADDITIONAL REQUIREMENTS

12. Special conditions contained in the permit include the requirement to notify the Department upon installation of the 8 MM Btu/hour heater.
13. The source is required to submit reports to the Department annually.
14. The source is not subject to immediate (within one hour) reporting of excess emissions, except when the emissions may endanger public health.
15. This source is not subject to federal regulations for New Source Performance Standards (NSPS).
16. This source is not subject to federal regulations for New Source Review.
17. This source is not subject to federal regulations for Prevention of Significant Deterioration (PSD).
18. This source is not subject to federal regulations for National Emissions Standards for Hazardous Air Pollutants (NESHAP).

# PROPOSED

Permit Number: 26-2930

Application No.: 16551

Page 4 of 4 Pages

## PUBLIC NOTICE

The configuration of the plant differs greatly from the time the last permit was issued. Therefore the permit will be placed on public notice from March 16, 1998 to April 17, 1998.

KAmidon:Edruback  
2/10/1998



October 12, 2005

Elliot Zais, PhD  
Oregon Department of Environmental Quality  
2020 SW 4<sup>th</sup> Avenue, 1<sup>st</sup> Floor  
Portland, Oregon 97201

Re: Koppers Industries, Inc.: NPDES Permit Renewal, Permit No. 101642  
7540 NW St. Helens Road, Portland Oregon

Dear Dr. Zais:

As you are aware, I have been retained by Koppers Industries, Inc. (Koppers) to evaluate changes DEQ has proposed for the renewal of Koppers' NPDES Stormwater Permit, Permit No. 101642 (Permit).

I have reviewed DEQ's proposed permit modifications, the Applicant Review comments, and your letter of August 25, 2005 responding to those comments. As part of our effort to understand DEQ's authority and rationale for the significant proposed Permit changes, please provide responses to the following questions and issues.

**1. Rationale for Effluent Limitations.**

In the draft Permit, which was sent out for Applicant Review on 8/6/2004, it appears that the limit for PAH has gone from 1000 mg/L to Non Detect (ND), and new effluent limitations have been proposed for Benzene (25 mg/L), BTEX (250 mg/L), and Cyanide (5.2 mg/L).

**A. Proposed Permit Limits.**

Under the current Permit, Koppers has consistently discharged within its Permit effluent limit for PAH of 1000 mg/L. Now DEQ is proposing a limit of "not detect" which effectively mandates treatment of the previously permitted discharge. Furthermore, new limits for Benzene, BTEX and Cyanide appear in the Applicant Review draft Permit.

In response to Koppers' earlier questions about how DEQ came to these new effluent limits, you state in an August 25, 2005 letter that DEQ was following its authority under OAR 340-041-0033(3), which provides:

To establish permit or other regulatory limits for toxic substances for which criteria are not included in Tables 20, 33A, or 33B, the department may use the guidance values in Table 33C, public health advisories, and other published scientific literature. The department may also require or conduct bio-assessment studies to monitor the toxicity to aquatic life of complex effluents, other suspected discharges, or chemical substances without numeric criteria.

ORS 340-41-0033(1) further states:

Toxic substances may not be introduced above natural background levels in waters of the state in amounts, concentrations, or combinations that may be harmful, may chemically change to harmful forms in the environment, or may accumulate in sediments or bioaccumulate in aquatic life or wildlife to levels that adversely affect public health, safety, or welfare or aquatic life, wildlife, or other designated beneficial uses.

From these provisions, it appears that the regulation of effluent discharge of toxics is conditional on a finding that the discharge is above background levels, poses a risk of harm to wildlife or humans or may accumulate in sediments or aquatic life. We request an explanation as to how DEQ believes these criteria have been met.

As to your citation to narrative criteria, OAR 340-041-0007 Narrative Criteria provide as follows:

(12) The creation of tastes or odors or toxic or other conditions that are deleterious to fish or other aquatic life or affect the potability of drinking water or the palatability of fish or shellfish may not be allowed;

(13) The formation of appreciable bottom or sludge deposits or the formation of any organic or inorganic deposits deleterious to fish or other aquatic life or injurious to public health, recreation, or industry may not be allowed;

(14) Objectionable discoloration, scum, oily sheens, or floating solids, or coating of aquatic life with oil films may not be allowed;

Again, the focus appears to be on the creation of conditions that will have a deleterious impact to fish, human health and recreation, and it is not clear on what basis DEQ may have concluded a violation of narrative standards exists.

Again referring to the citations in you August 25, 2005 letter, there do not appear to be any guidance values in Table 33C which correspond to the proposed Permit limits. Koppers has not been made aware of any specific public health advisories, published scientific literature or bio-assessment studies related to Koppers' discharge.

We understand DEQ has authority under its delegated CWA program to modify effluent limitations in NPDES permits to attain or maintain water quality standards (*see* 33 U.S.C. §1312(a)) in order to protect beneficial uses such as drinking water, fish and shellfish, and recreational uses. What is not clear is whether (or how) DEQ has determined that Koppers' current discharge limits might need to be modified to protect any specific beneficial use.



## **B. Application of Cleanup Standards to NPDES Discharge.**

From our review and discussions, it appears that DEQ is applying the most stringent Portland Harbor Superfund (eco-risk) Screening Level Values (SLVs) in setting the effluent limits for Koppers' NPDES draft Permit. This raises several questions.

First, on what basis has DEQ determined that cleanup SLVs should apply to Koppers' Clean Water Act NPDES discharge? The cleanup rules in ORS Chapter 340, Division 122, only apply when there is a "release or threat of release" as defined in ORS 465.200(21). As you point out in your August 25, 2005 letter DEQ cleanup laws (and CERCLA) provide an exemption to cleanup liability for permitted NPDES discharges. You cite OAR 340-122-0030 with the implication that DEQ has determined that the cleanup rules apply in our case. Again, has determined (as required by OAR 340-122-0030(2)) that Koppers' discharge is causing a "deposition, accumulation, or migration" of contaminants and poses a threat to the health and safety of humans or the environment?

We understand that DEQ and EPA have developed a joint source control strategy for the Portland Harbor. In this regard, some guidance is provided in the *Interim Final Joint Source Control Strategy* (JCSC), wherein it states in section 5.3:

"Piped stormwater discharges to surface water are fundamentally different than groundwater discharges. Groundwater discharges have the potential to exert toxic effects on the benthic community with little or no dilution. However, piped discharges of soluble contaminants are typically diluted through rapid mixing with the waters of the receiving body."

In this regard, has DEQ considered that the groundwater surfacing on the Koppers leased property is likely no different than the groundwater entering the Willamette River from the site in general? Has DEQ concluded that Koppers' batch discharges somehow increase the contaminants above background levels, i.e., above the water quality leaving the site via groundwater? Koppers is not pumping any groundwater and the vast majority of its discharges occur during periods of high dilution (i.e., high rainfall and high river levels). Moreover, the JCSC also acknowledges that the conditional exemption for permitted discharges only applies if there is accumulation in sediment. As with the water quality regulations, discussed above, there seems to be a threshold question about the real impact of Koppers currently permitted discharge that has not been fully articulated by DEQ.

Based on my review of the Portland Harbor "Framework for Portland Harbor Storm Water Screening Evaluations" (August 2005) (SWSE), which is a companion document to the JCSC, it appears that the eco-risk screening levels focus on the risk that contaminated sediments, related interstitial groundwater, and surface water impacted by such sediment pose to the benthic community, fish, and other beneficial uses. As recognized in the JCSC, this appears to be a very different analysis than whether a transient stormwater discharge creates any chronic or acute deleterious conditions, or whether such a discharge poses any risk of accumulating in sediments.

The JSCS also discusses a "weight of evidence" approach to analyzing storm water discharge risk and it is not clear if DEQ has already engaged in such a process.

**2. Additional Permit Limits and Monitoring.**

Koppers previously requested that DEQ explain the rationale for additional sampling requirements, including cyanide, pesticides, metals, tars, oils, and petroleum distillates. Some explanation would be appreciated. We have some concerns about costly sampling to analyze contaminated groundwater unrelated to Koppers stormwater.

**3. Contaminated Aquifer Policy.**

I also wish to know if DEQ has appropriately considered its "Contaminated Aquifer Policy" (5/20/04) in evaluating the application of cleanup standards to Koppers NPDES draft Permit. In past meetings and correspondence, DEQ has conceded that the groundwater that is infiltrating the Koppers sumps (via entirely natural processes) is part of Northwest Natural's ongoing groundwater remediation. This raises a serious questions about whether Koppers should be responsible for cleanup (i.e., treatment) of this contaminated groundwater under the Contaminated Aquifer Policy, which states:

It is DEQ's policy, subject to specific conditions listed below, that where hazardous substances in groundwater have come to be located at a property, solely as the result of subsurface migration from a source or sources outside the property, DEQ will not take enforcement action against the owner or operator of the impacted property to require the performance of remedial actions or the payment of remedial action costs associated with the contaminated groundwater.

Under this policy, if DEQ is applying cleanup regulations, remedial actions or standards to Koppers via the NPDES Permit process, then such action would appear to be contrary to DEQ's statewide Contaminated Aquifer Policy. Some comment from DEQ on this issue would be helpful.

**4. Additional Comments.**

As I stated at the outset of this letter, Koppers goal at this time is to better understand DEQ's rationale for the significant proposed changes to the NPDES Permit, and the significant related costs. We will continue to work with DEQ while considering all our options, and clarification on the above points will be very helpful in this effort.

Very truly yours,

RYCEWICZ & CHENOWETH, LLP

Christopher W. Rich  
Email: crich@northwestlaw.com



# Oregon

Theodore Kulongoski, Governor

## Department of Environmental Quality

Northwest Region Portland Office

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

(503) 229-5263

FAX (503) 229-6957

TTY (503) 229-5471

25 August 2005

Traci Self  
Koppers Inc.  
436 7<sup>th</sup> Ave.  
Room K-1800  
Pittsburg PA 15219-1800

Re: NPDES permit

Dear Ms. Self:

This letter is in response to your request on 14 July 2005 for further justification of the conditions we proposed for the NPDES permit for the Koppers site in Portland at 7540 NW St Helens Road.

In order to issue an NPDES permit, DEQ is required to look at all parts of the waste stream. For this facility, the waste stream has always been characterized as tank farm runoff water, i.e., storm water and boiler blowdown water. Previous permits before 1988 also included non-contact cooling water. The containment areas are presumed to be competent and to not allow a connection to groundwater. We have analytical data that suggest Koppers' discharge has a chemical signature very similar to water being pumped as part of NW Natural's groundwater remediation. This NPDES permit does not authorize the discharge of contaminated groundwater. If Koppers is, indeed, intersecting groundwater in the containment area and discharging it, it would be an unpermitted discharge. The permit would have to be modified to include this waste stream, any appropriate effluent limitations, and any additional monitoring requirements.

Therefore, the Department would request any information Koppers has that provides the necessary engineering evaluation to demonstrate that the permitted system does not contain contaminated groundwater. Specifically, the evaluation would have to show that the storm water contaminated areas are not influenced by groundwater.

Mr. Kamerer inquired about DEQ's legal authority to set additional limits that are not directly addressed in Tables 20, 33A, and 33B. The following citation from the Oregon Administrative Rules speaks to his question.

"OAR 340-041-0033(3) To establish permit or other regulatory limits for toxic substances for which criteria are not included in Tables 20, 33A, or 33B, the department may use the guidance values in Table 33C, public health advisories, and other published scientific literature. The department may also require or conduct bio-assessment studies to monitor the toxicity to aquatic life of complex effluents, other suspected discharges, or chemical substances without numeric criteria."



Koppers012961

The email and the Hahn and Associates, Inc. report I forwarded to you around 3 August 2005 provided some additional information about the Department's continuing investigations on the Gasco site and in Portland Harbor. Source control is a major issue which must be dealt with in order to do an effective cleanup. The soon to be released Joint Source Control Strategy document will lay out the DEQ/EPA plan to clean up the harbor.

Normally, a facility discharging in compliance with an NPDES permit is exempt from cleanup rules. However, if the discharge is causing accumulation of toxic materials to unsafe levels, the discharger's permit may no longer be appropriate. The following is the relevant part of the Oregon Administrative Rules (OAR).

**OAR 340-122-0030**

**Scope and Applicability**

These rules apply to the release or threat of release of hazardous substances into the environment, except as provided below:

(1) Exempted Releases. These rules shall not apply to releases exempted pursuant to ORS 465.200(21)(a), (b), (c), and (d).

(2) Conditional Exemption of Permitted Releases. These rules do not apply to permitted or authorized releases of hazardous substances, unless the Director determines that application of these rules might be necessary in order to protect public health, safety or welfare, or the environment. These rules may be applied to the deposition, accumulation, or migration resulting from otherwise permitted or authorized releases.

The Department sees the following possibilities for the Koppers facility:

1. Koppers could choose to work with NW Natural and maybe other tenants and build a treatment system which will be viewed as adequate, such as a GAC system. The NPDES permit for the discharge could be held individually by NW Natural or jointly by all the dischargers.
2. Koppers could choose to continue the renewal process for the current permit. This permit would include the limits in the 6 August 2004 applicant review draft permit. Discharge would be possible to either Doane Creek or to the Willamette River.

Please contact me at your earliest convenience to discuss this further.

Sincerely,

Elliot J. Zais, PhD, PE  
Senior Environmental Engineer  
Northwest Region

cc: Amos Kamerer and T. J. Turner



FROM : KOPPERS

FAX NO. : 5032852831

Nov. 11 2005 11:19AM P1

**KOPPERS**

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd.  
Portland, Oregon 97210-3663  
Phone: (503) 286-3681  
Fax: (503) 285-2831  
Web Page: [www.koppers.com](http://www.koppers.com)

TO: J. Dietz, L. Hyde, T. Self

DATE: 11/11/05

FROM: Amos

TOTAL # OF PAGES: 6

Per my email —

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

FIVE - Portland - BNN - NPD/BS

Koppers012963



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

October 3, 2005

Koppers Industries, Inc.  
Amos Kameroner  
7540 NW St. Helen's Rd.  
Portland, OR 97210

Re: Stormwater discharge to City of Portland sewer system.

Dear Mr. Kameroner:

In response to your request for stormwater discharge to the City sewer system dated September 28, 2005; the city has discharge limits that will need to be met before discharge can be allowed. The following is the current local limitations in effect at this time.

Pollutant Name	Local Limit Daily Max (mg/l)	10/26/05 Sample Test Results
<b>METALS</b>		
Arsenic	0.2	ND
Cadmium	0.7	ND
Chromium	5.0	ND
Copper	3.7	1.0
Lead	0.7	0.03
Mercury	0.010	0.00011
Molybdenum	1.4	ND
Nickel	2.8	ND
Selenium	0.6	ND
Silver	0.4	ND
Zinc	3.7	0.39
<b>NON-METALS INORGANIC</b>		
Cyanide	1.2	ND
pH	5.0-11.5 su	
Sulfide	4.0	ND

**NON-METALS (ORGANICS)**

1,2-Dichloroethane	0.50	NO
2,4-Dinitrotoluene	0.13	NO
Acrylonitrile	1.00	NO
Chlordane	0.03	NO
Chlorobenzene	0.20	NO
Chloroform	0.20	NO
Nitrobenzene	2.00	NO
Pentachlorophenol	0.04	NO
Trichloroethylene	0.20	NO
Non-polar Oil & Grease	110	NO

Sampling listed in your submittal indicated high readings for Selenium: 6.9 mg/l and for Zinc, 6.3 mg/l. Benzene at 29 mg/l would also be a concern. If you want to consider pretreating the discharge to local limitations you may apply for a permit at any time. I am also enclosing a copy of the City Code which includes the local limits for your review.

If you have comments or questions as you read through the materials, please do not hesitate to contact me at 823-7230.

Respectfully,



Ann O'Roke, Permit Manager  
Industrial Source Control Division

Cc: Industry File



# CERTIFICATE OF ANALYSIS

CLIENT: Koppers Industries, Inc.  
ATTN: T.J. Turner  
7540 NW St. Helens Road  
Portland OR, 97210-3663

PROJECT NAME: Boiler Blowdown Water Test

PHONE: (503) 286-3681  
FAX: (503) 285-2831

SUBMITTED: 10/26/05 12:05

REPORT DATE: 11/08/05 15:56 REPORT NUMBER: 5102604 PAGE: 1 OF 4

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
5102604-01	Boiler Blowdown Grab Sample	10/26/2005	1000	Water

SAMPLE/ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5102604-01	SAMPLE ID: Boiler Blowdown Grab Sample						
General Bench Analysis							
CYANIDE, TOTAL	SM 4500-CN-B-C	CYANIDE	ND	mg/L	0.0030	MES	11/03/2005 10:11
O & G, NP (SGT-HEM)	EPA 1684	NONPOLAR OIL & GREASE	ND	mg/L	2	JRW	11/07/2005 15:12
SULFIDE	EPA 376.1	SULFIDE	ND	mg/L	1.0	MES	11/01/2005 15:58
Total Mercury by Cold Vapor Atomic Fluorescence							
MERCURY CV AF	EPA 245.7/1631	MERCURY	0.00011	mg/L	0.000050	KEL	11/03/2005 12:24
Total Metals by Inductively Coupled Plasma							
ARSENIC - ICP	EPA 200.7/8010B	ARSENIC	ND	mg/L	0.010	KEL	10/27/2005 14:08
CADMIUM - ICP		CADMIUM	ND	mg/L	0.003	KEL	10/27/2005 14:08
CHROMIUM - ICP		CHROMIUM	ND	mg/L	0.005	KEL	10/27/2005 14:08
COPPER - ICP		COPPER	1.0	mg/L	0.005	KEL	10/27/2005 15:58
LEAD - ICP		LEAD	0.030	mg/L	0.005	KEL	10/27/2005 14:08
MOLYBDENUM - ICP		MOLYBDENUM	ND	mg/L	0.005	KEL	10/27/2005 15:58
NICKEL - ICP		NICKEL	ND	mg/L	0.020	KEL	10/27/2005 15:58
SELENIUM - ICP		SELENIUM	ND	mg/L	0.10	KEL	10/27/2005 14:08
SILVER - ICP		SILVER	ND	mg/L	0.010	KEL	10/27/2005 15:38
ZINC - ICP		ZINC	0.39	mg/L	0.003	KEL	10/27/2005 15:58
Volatile Organics by Gas Chromatography/Mass Spectroscopy							
VOC 624 Extended	EPA 624	ACROLEIN	ND	mg/L	0.100	JRW	11/04/2005 10:48
		ACRYLONITRILE	ND	mg/L	0.0100		
		BENZENE	ND	mg/L	0.0005		
		BROMOCHLOROMETHANE	ND	mg/L	0.0005		
		BROMODICHLOROMETHANE	ND	mg/L	0.0005		
		BROMOFORM	ND	mg/L	0.0005		
		CARBON TETRACHLORIDE	ND	mg/L	0.0005		
		CHLOROBENZENE	ND	mg/L	0.0005		
		CHLORODIBROMOMETHANE	ND	mg/L	0.0005		
		CHLOROETHANE	ND	mg/L	0.0005		
		2-CHLOROETHYL VINYL ETHER	ND	mg/L	0.0005		
		tert-BUTYLBENZENE	ND	mg/L	0.0005		
		CHLOROFORM	ND	mg/L	0.0005		
		CHLOROMETHANE	ND	mg/L	0.0005		
		1,2-DICHLOROBENZENE	ND	mg/L	0.0005		
		1,3-DICHLOROBENZENE	ND	mg/L	0.0005		
		1,4-DICHLOROBENZENE	ND	mg/L	0.0005		
		1,1-DICHLOROETHANE	ND	mg/L	0.0005		
		1,2-DICHLOROETHANE	ND	mg/L	0.0005		
		1,1-DICHLOROETHYLENE	ND	mg/L	0.0005		
		1,2-DICHLOROPROPANE	ND	mg/L	0.0005		
		TRANS-1,3-DICHLOROPROPENE	ND	mg/L	0.0005		
		CIS-1,3-DICHLOROPROPENE	ND	mg/L	0.0005		

ORIGINAL

ORIGINAL

This report may not be reproduced except in full.

Authorized for Release By:

David J. Melanger For Richard D. Reid - Laborator





# CERTIFICATE OF ANALYSIS

REPORT DATE: 11/08/05 16:23

REPORT NUMBER: 5102604

PAGE: 2 OF 4

SAMPLE/ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5102604-01	SAMPLE ID: Boiler Blowdown Grab Sample						
Volatile Organics by Gas Chromatography/Mass Spectroscopy							
VOC 624 Extended	EPA 824	TRANS-1,2-DICHLOROETHENE	ND	mg/L	0.0005	JRW	11/04/2005 10:48
		CIS-1,2-DICHLOROETHENE	ND	mg/L	0.0005		
		ETHYLBENZENE	ND	mg/L	0.0005		
		METHYL BROMIDE	ND	mg/L	0.0005		
		METHYL CHLORIDE	ND	mg/L	0.0005		
		METHYLENE CHLORIDE	ND	mg/L	0.0005		
		METHYL-TERT-BUTYL ETHER (MTBE)	ND	mg/L	0.0005		
		NAPHTHALENE	ND	mg/L	0.0005		
		STYRENE	ND	mg/L	0.0005		
		1,1,2,2-TETRACHLOROETHANE	ND	mg/L	0.0005		
		TETRACHLOROETHENE	ND	mg/L	0.0005		
		TOLUENE	ND	mg/L	0.0005		
		1,1,1-TRICHLOROETHANE	ND	mg/L	0.0005		
		1,1,2-TRICHLOROETHANE	ND	mg/L	0.0005		
		TRICHLOROETHYLENE	ND	mg/L	0.0005		
		TRICHLOROFLUOROMETHANE	ND	mg/L	0.0005		
		VINYL CHLORIDE	ND	mg/L	0.0005		
		DIBROMOMETHANE	ND	mg/L	0.0005		
		1,2-DIBROMOETHANE	ND	mg/L	0.0005		
		1,1,1,2-TETRACHLOROETHANE	ND	mg/L	0.0005		
		M- & P-XYLENE	ND	mg/L	0.0005		
		O-XYLENE	ND	mg/L	0.0005		
		1,2,3-TRICHLOROPROPANE	ND	mg/L	0.0005		
		1,2-DIBROMO-3-CHLOROPROPANE	ND	mg/L	0.0005		
		Surrogate: Dibromofluoromethane	95.6 %	%RECOVERY	50-150		
		Surrogate: Fluorobenzene	70.9 %	%RECOVERY	50-150		
		Surrogate: Chlorobenzene-d5	161 %	%RECOVERY	50-150		
		Surrogate: 1,4-Dichlorobenzene-d4	89.1 %	%RECOVERY	50-150		
Semi-Volatile Organics by Gas Chromatography/Mass Spectroscopy							
ACID SEMIVOLS 625	EPA 625	PENTACHLOROPHENOL	ND	mg/L	0.0200	DM	10/27/2005 23:53
		Surrogate: Phenol-d8	32.1 %	%RECOVERY	20-150		
		Surrogate: 2,4,6-Tribromophenol	102 %	%RECOVERY	50-150		
B/N SEMIVOL 625		ACENAPHTHENE	ND	mg/L	0.00400	DM	10/27/2005 23:53
		ACENAPHTHYLENE	ND	mg/L	0.00400		
		α-TERPINEOL	ND	mg/L	0.00400		
		ANTHRACENE	ND	mg/L	0.00400		
		BENZIDINE	ND	mg/L	0.00800		
		BENZO(a)ANTHRACENE	ND	mg/L	0.00400		
		BENZO(a)PYRENE	ND	mg/L	0.00400		
		BENZO(k)FLUORANTHENE	ND	mg/L	0.00400		
		BENZO(g,h,i)PERYLENE	ND	mg/L	0.00400		
		BENZO(b)FLUORANTHENE	ND	mg/L	0.00400		
		BIS(2-CHLOROETHOXY)METHANE	ND	mg/L	0.00400		
		BIS(2-CHLOROETHYL)ETHER	ND	mg/L	0.00400		
		BIS(2-CHLOROISOPROPYL)ETHER	ND	mg/L	0.00400		
		BIS(2-ETHYLHEXYL)PHTHALATE	ND	mg/L	0.00400		
		BUTYL BENZYL PHTHALATE	ND	mg/L	0.00400		
		4-BROMOPHENYL PHENYL ETHER	ND	mg/L	0.00400		
		CARBAZOLE	ND	mg/L	0.00400		
		2-CHLORONAPHTHALENE	ND	mg/L	0.00400		
		4-CHLOROPHENYL PHENYL ETHER	ND	mg/L	0.00400		
		CHRYSENE	ND	mg/L	0.00400		
		N-DECANE	ND	mg/L	0.00400		
		DIBENZO(a,h)ANTHRACENE	ND	mg/L	0.00400		
		3,3-DICHLOROBENZIDINE	ND	mg/L	0.00800		

This report may not be reproduced except in full.

Authorized for Release By: David J. Melander For Richard D. Reid - Laboratory Director



# CERTIFICATE OF ANALYSIS

REPORT DATE: 11/08/05 18:23

REPORT NUMBER: 6102604

PAGE: 3 OF 4

SAMPLE/ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
6102604-01	SAMPLE ID: Boiler Blowdown Grab Sample						
Semi-Volatile Organics by Gas Chromatography/Mass Spectroscopy							
B/N SEMIVOL 625	EPA 625	1,2-DICHLORO BENZENE:	ND	mg/L	0.00400	DM	10/27/2005 23:53
		1,3-DICHLORO BENZENE:	ND	mg/L	0.00400		
		1,4-DICHLORO BENZENE:	ND	mg/L	0.00400		
		DIETHYL PHTHALATE	ND	mg/L	0.00400		
		DIMETHYL PHTHALATE	ND	mg/L	0.00400		
		DI-N-BUTYL PHTHALATE:	ND	mg/L	0.00400		
		DI-N-OCTYL PHTHALATE:	ND	mg/L	0.00400		
		2,4-DINITROTOLUENE	ND	mg/L	0.00800		
		1,2-DIPHENYLHYDRAZINE (as AZOBENZENE)	ND	mg/L	0.00400		
		2,6-DINITROTOLUENE	ND	mg/L	0.00800		
		FLUORANTHENE	ND	mg/L	0.00400		
		FLUORENE	ND	mg/L	0.00400		
		HEXACHLORO BENZENE:	ND	mg/L	0.00400		
		HEXACHLORO BUTADIENE	ND	mg/L	0.00400		
		HEXACHLORO CYCLOPENTADIENE	ND	mg/L	0.0200		
		HEXACHLORO ETHANE	ND	mg/L	0.00400		
		INDENO(1,2,3-cd)PYRENE	ND	mg/L	0.00400		
		ISOPHORDNE	ND	mg/L	0.00400		
		NAPHTHALENE	ND	mg/L	0.00400		
		NITROBENZENE	ND	mg/L	0.00400		
		N-NITROSODIMETHYLAMINE	ND	mg/L	0.00400		
		N-NITROSODIPHENYLAMINE	ND	mg/L	0.00400		
		N-NITROSO-DI-N-PROPYLAMINE	ND	mg/L	0.00400		
		N-OCTADECANE	ND	mg/L	0.00400		
		PHENANTHRENE	ND	mg/L	0.00400		
		PYRENE	ND	mg/L	0.00400		
		1,2,4-TRICHLORO BENZENE	ND	mg/L	0.00400		
		Surrogate: 2-Fluorobiphenyl	87.1 %	%RECOVERY	50-150		
		Surrogate: Nitrobenzene-D15	85.1 %	%RECOVERY	50-150		
		Surrogate: p-terphenyl-D14	89.4 %	%RECOVERY	50-150		
Semi-Volatile Organics by Gas Chromatography/ECD							
PESTICIDES 625	EPA 625	ALDRIN	ND	mg/L	0.00267	DM	10/27/2005 23:53
		ALPHA-BHC	ND	mg/L	0.00133		
		BETA-BHC	ND	mg/L	0.00267		
		GAMMA-BHC (LINDANE)	ND	mg/L	0.00133		
		DELTA-BHC	ND	mg/L	0.00267		
		4,4-DDD	ND	mg/L	0.00533		
		4,4-DDE	ND	mg/L	0.00267		
		CHLORDANE	ND	mg/L	0.00267		
		4,4-DDT	ND	mg/L	0.00533		
		DIELDRIN	ND	mg/L	0.00267		
		ENDOSULFAN I	ND	mg/L	0.00267		
		ENDOSULFAN II	ND	mg/L	0.00533		
		ENDOSULFAN SULFATE	ND	mg/L	0.00533		
		ENDRIN	ND	mg/L	0.00267		
		ENDRIN ALDEHYDE	ND	mg/L	0.00667		
		ENDRIN KETONE	ND	mg/L	0.00667		
		HEPTACHLOR	ND	mg/L	0.00267		
		HEPTACHLOR EPOXIDE	ND	mg/L	0.00267		
		ALPHA-CHLORDANE	ND	mg/L	0.00267		
		METHOXYCHLOR	ND	mg/L	0.00667		
		GAMMA-CHLORDANE	ND	mg/L	0.00267		
		TOXAPHENE	ND	mg/L	0.0533		

This report may not be reproduced except in full.

Authorized for Release By: David J. Melander For Richard D. Reid -

**KOPPERS**

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd.  
Portland, Oregon 97210-3663  
Phone: (503) 286-3681  
Fax: (503) 285-2831  
Web Page: [www.koppers.com](http://www.koppers.com)

TO: J. Dietz, L. Hyde, T. Self

DATE: 11/11/05

FROM: Amos

TOTAL # OF PAGES: 6

Per my email —

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX# 503-285-2831

FILE - PORTLAND - B.N. - NPDMS



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-3452  
(503) 823-5600

October 3, 2005

Koppers Industries, Inc.  
Amos Kameron  
7540 NW St. Helen's Rd.  
Portland, OR 97210

Re: Stormwater discharge to City of Portland sewer system.

Dear Mr. Kameron:

In response to your request for stormwater discharge to the City sewer system dated September 28, 2005; the city has discharge limits that will need to be met before discharge can be allowed. The following is the current local limitations in effect at this time.

Pollutant Name	Local Limit Daily Max (mg/L)	10/26/05 Sample Test Results
<b>METALS</b>		
Arsenic	0.2	ND
Cadmium	0.7	ND
Chromium	5.0	ND
Copper	3.7	1.0
Lead	0.7	0.03
Mercury	0.010	0.00011
Molybdenum	1.4	ND
Nickel	2.8	ND
Selenium	0.6	ND
Silver	0.4	ND
Zinc	5.7	0.39
<b>NON-METALS (INORGANICS)</b>		
Cyanide	0.2	ND
pH	5.0-11.5 su	
Sulfide	4.0	ND



# CERTIFICATE OF ANALYSIS

CLIENT: Koppers Industries, Inc.  
ATTN: T.J. Turner  
7540 NW St. Helens Road  
Portland OR, 97210-3883

PROJECT NAME: Boiler Blowdown Water Test

PHONE: (503) 286-3681  
FAX: (503) 285-2831

SUBMITTED: 10/26/05 12:05

REPORT DATE: 11/08/05 15:56

REPORT NUMBER: 5102804

PAGE: 1 OF 4

CI SAMPLE	CLIENT'S ID#	DATE	TIME	MATRIX			
5102804-01	Boiler Blowdown Grab Sample	10/26/2005	1000	Water			
SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5102804-01	SAMPLE ID: Boiler Blowdown Grab Sample						
General Bench Analysis							
CYANIDE, TOTAL	SM 4500-CN-B-C	CYANIDE	ND	mg/L	0.0030	MES	11/03/2005 10:11
O & G, NP (SGT-HEM)	EPA 1664	NONPOLAR OIL & GREASE	ND	mg/L	2	JRW	11/07/2005 16:12
SULFIDE	EPA 378.1	SULFIDE	ND	mg/L	1.0	MES	11/01/2005 15:58
Total Mercury by Cold Vapor Atomic Fluorescence							
MERCURY CV AF	EPA 245.7/1631	MERCURY	0.00011	mg/L	0.000050	KEL	11/03/2005 12:24
Total Metals by Inductively Coupled Plasma							
ARSENIC - ICP	EPA 200.7/50108	ARSENIC	ND	mg/L	0.010	KEL	10/27/2005 14:08
CADMIUM - ICP		CADMIUM	ND	mg/L	0.003	KEL	10/27/2005 14:08
CHROMIUM - ICP		CHROMIUM	ND	mg/L	0.005	KEL	10/27/2005 14:08
COPPER - ICP		COPPER	1.0	mg/L	0.005	KEL	10/27/2005 15:58
LEAD - ICP		LEAD	0.030	mg/L	0.005	KEL	10/27/2005 14:08
MOLYBDENUM - ICP		MOLYBDENUM	ND	mg/L	0.005	KEL	10/27/2005 15:58
NICKEL - ICP		NICKEL	ND	mg/L	0.020	KEL	10/27/2005 15:58
SELENIUM - ICP		SELENIUM	ND	mg/L	0.10	KEL	10/27/2005 14:08
SILVER - ICP		SILVER	ND	mg/L	0.010	KEL	10/27/2005 15:58
ZINC - ICP		ZINC	0.39	mg/L	0.003	KEL	10/27/2005 15:58
Volatile Organics by Gas Chromatography/Mass Spectroscopy							
VOC 824 Extended	EPA 824	ACROLEIN	ND	mg/L	0.100	JRW	11/04/2005 10:48
		ACRYLONITRILE	ND	mg/L	0.0100		
		BENZENE	ND	mg/L	0.0005		
		BROMOCHLOROMETHANE	ND	mg/L	0.0005		
		BROMODICHLOROMETHANE	ND	mg/L	0.0005		
		BROMOFORM	ND	mg/L	0.0005		
		CARBON TETRACHLORIDE	ND	mg/L	0.0005		
		CHLOROBENZENE	ND	mg/L	0.0005		
		CHLORODIBROMOMETHANE	ND	mg/L	0.0005		
		CHLOROETHANE	ND	mg/L	0.0005		
		2-CHLOROETHYL VINYL ETHER	ND	mg/L	0.0005		
		tert-BUTYLBENZENE	ND	mg/L	0.0005		
		CHLOROFORM	ND	mg/L	0.0005		
		CHLOROMETHANE	ND	mg/L	0.0005		
		1,2-DICHLOROBENZENE	ND	mg/L	0.0005		
		1,3-DICHLOROBENZENE	ND	mg/L	0.0005		
		1,4-DICHLOROBENZENE	ND	mg/L	0.0005		
		1,1-DICHLOROETHANE	ND	mg/L	0.0005		
		1,2-DICHLOROETHANE	ND	mg/L	0.0005		
		1,1-DICHLOROETHYLENE	ND	mg/L	0.0005		
		1,2-DICHLOROPROPANE	ND	mg/L	0.0005		
		TRANS-1,3-DICHLOROPROPENE	ND	mg/L	0.0005		
		CIS-1,3-DICHLOROPROPENE	ND	mg/L	0.0005		

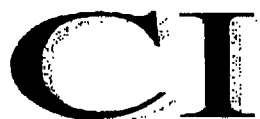
ORIGINAL

**ORIGINAL**

This report may not be reproduced except in full.

Authorized for Release By:

David J. Melander For Richard D. Reid - Laborator



# CERTIFICATE OF ANALYSIS

REPORT DATE: 11/08/05 18:23

REPORT NUMBER: 5102804

PAGE: 2 OF 4

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
5102804-01	SAMPLE ID: Boiler Blowdown Grab Sample						
Volatiles Organics by Gas Chromatography/Mass Spectroscopy							
VOC 824 Extended	EPA 824	TRANS-1,2-DICHLOROETHENE	ND	mg/L	0.0005	JRW	11/04/2005 10:48
		CIS-1,2-DICHLOROETHENE	ND	mg/L	0.0005		
		ETHYLBENZENE	ND	mg/L	0.0005		
		METHYL BROMIDE	ND	mg/L	0.0005		
		METHYL CHLORIDE	ND	mg/L	0.0005		
		METHYLENE CHLORIDE	ND	mg/L	0.0005		
		METHYL-TERT-BUTYL ETHER (MTBE)	ND	mg/L	0.0005		
		NAPHTHALENE	ND	mg/L	0.0005		
		STYRENE	ND	mg/L	0.0005		
		1,1,2,2-TETRACHLOROETHANE	ND	mg/L	0.0005		
		TETRACHLOROETHENE	ND	mg/L	0.0005		
		TOLUENE	ND	mg/L	0.0005		
		1,1,1-TRICHLOROETHANE	ND	mg/L	0.0005		
		1,1,2-TRICHLOROETHANE	ND	mg/L	0.0005		
		TRICHLOROETHYLENE	ND	mg/L	0.0005		
		TRICHLOROFLUOROMETHANE	ND	mg/L	0.0005		
		VINYL CHLORIDE	ND	mg/L	0.0005		
		DIBROMOMETHANE	ND	mg/L	0.0005		
		1,2-DIBROMOETHANE	ND	mg/L	0.0005		
		1,1,1,2-TETRACHLOROETHANE	ND	mg/L	0.0005		
		M- & P-XYLENE	ND	mg/L	0.0005		
		O-XYLENE	ND	mg/L	0.0005		
		1,2,3-TRICHLOROPROPANE	ND	mg/L	0.0005		
		1,2-DIBROMO-3-CHLOROPROPANE	ND	mg/L	0.0005		
		Surrogate: Dibromofluoromethane	95.5 %	%RECOVERY	50-150		
		Surrogate: Fluorobenzene	70.9 %	%RECOVERY	50-150		
		Surrogate: Chlorobenzene-d5	151 %	%RECOVERY	50-150		
		Surrogate: 1,4-Dichlorobenzene-d4	89.1 %	%RECOVERY	50-150		
Semi-Volatile Organics by Gas Chromatography/Mass Spectroscopy							
ACID SEMIVOLS 825	EPA 825	PENTACHLOROPHENOL	ND	mg/L	0.0200	DM	10/27/2005 23:53
		Surrogate: Phenol-d5	32.1 %	%RECOVERY	20-150		
		Surrogate: 2,4,6-Tribromophenol	102 %	%RECOVERY	50-150		
B/N SEMIVOL 825		ACENAPHTHENE	ND	mg/L	0.00400	DM	10/27/2005 23:53
		ACENAPHTHYLENE	ND	mg/L	0.00400		
		α-TERPINEOL	ND	mg/L	0.00400		
		ANTHRACENE	ND	mg/L	0.00400		
		BENZIDINE	ND	mg/L	0.00800		
		BENZO(a)ANTHRACENE	ND	mg/L	0.00400		
		BENZO(a)PYRENE	ND	mg/L	0.00400		
		BENZO(k)FLUORANTHENE	ND	mg/L	0.00400		
		BENZO(g,h,i)PERYLENE	ND	mg/L	0.00400		
		BENZO(b)FLUORANTHENE	ND	mg/L	0.00400		
		BIS(2-CHLOROETHOXY)METHANE	ND	mg/L	0.00400		
		BIS(2-CHLOROETHYL)ETHER	ND	mg/L	0.00400		
		BIS(2-CHLOROISOPROPYL)ETHER	ND	mg/L	0.00400		
		BIS(2-ETHYLHEXYL)PHTHALATE	ND	mg/L	0.00400		
		BUTYL BENZYL PHTHALATE	ND	mg/L	0.00400		
		4-BROMOPHENYL PHENYL ETHER	ND	mg/L	0.00400		
		CARBAZOLE	ND	mg/L	0.00400		
		2-CHLORONAPHTHALENE	ND	mg/L	0.00400		
		4-CHLOROPHENYL PHENYL ETHER	ND	mg/L	0.00400		
		CHRYSENE	ND	mg/L	0.00400		
		N-DECANE	ND	mg/L	0.00400		
		DIBENZO(a,h)ANTHRACENE	ND	mg/L	0.00400		
		3,3-DICHLOROBENZIDINE	ND	mg/L	0.00800		

This report may not be reproduced except in full.

Authorized for Release By: David J. Melander For Richard D. Reid -  
Laboratory Director



# CERTIFICATE OF ANALYSIS

REPORT DATE: 11/08/05 16:23

REPORT NUMBER: 5102804

PAGE: 3 OF 4

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
6102804-01	SAMPLE ID: Boiler Blowdown Grab Sample						
Semi-Volatile Organics by Gas Chromatography/Mass Spectroscopy							
B/N SEMIVOL 625	EPA 826	1,2-DICHLOROBENZENE	ND	mg/L	0.00400	DM	10/27/2005 23:53
		1,3-DICHLOROBENZENE	ND	mg/L	0.00400		
		1,4-DICHLOROBENZENE	ND	mg/L	0.00400		
		DIETHYL PHTHALATE	ND	mg/L	0.00400		
		DIMETHYL PHTHALATE	ND	mg/L	0.00400		
		DI-N-BUTYL PHTHALATE	ND	mg/L	0.00400		
		DI-N-OCTYL PHTHALATE	ND	mg/L	0.00400		
		2,4-DINITROTOLUENE	ND	mg/L	0.00800		
		1,2-DIPHENYLHYDRAZINE (as AZOBENZENE)	ND	mg/L	0.00400		
		2,6-DINITROTOLUENE	ND	mg/L	0.00800		
		FLUORANTHENE	ND	mg/L	0.00400		
		FLUORENE	ND	mg/L	0.00400		
		HEXACHLOROBENZENE	ND	mg/L	0.00400		
		HEXACHLOROBUTADIENE	ND	mg/L	0.00400		
		HEXACHLOROCYCLOPENTADIENE	ND	mg/L	0.00400		
		HEXACHLOROETHANE	ND	mg/L	0.00400		
		INDENO(1,2,3-cd)PYRENE	ND	mg/L	0.00400		
		ISOPHORONE	ND	mg/L	0.00400		
		NAPHTHALENE	ND	mg/L	0.00400		
		NITROBENZENE	ND	mg/L	0.00400		
		N-NITROSODIMETHYLAMINE	ND	mg/L	0.00400		
		N-NITROSODIPHENYLAMINE	ND	mg/L	0.00400		
		N-NITROSO-DI-N-PROPYLAMINE	ND	mg/L	0.00400		
		N-OCTADECANE	ND	mg/L	0.00400		
		PHENANTHRENE	ND	mg/L	0.00400		
		PYRENE	ND	mg/L	0.00400		
		1,2,4-TRICHLOROBENZENE	ND	mg/L	0.00400		
		Surrogate: 2-Fluorobiphenyl	87.1 %	%RECOVERY	50-150		
		Surrogate: Nitrobenzene-D15	86.1 %	%RECOVERY	50-150		
		Surrogate: p-terphenyl-D14	89.4 %	%RECOVERY	50-150		

## Semi-Volatile Organics by Gas Chromatography/ECD

PESTICIDES 625	EPA 626	ALDRIN	ND	mg/L	0.00287	DM	10/27/2005 23:53
		ALPHA-BHC	ND	mg/L	0.00133		
		BETA-BHC	ND	mg/L	0.00287		
		GAMMA-BHC (LINDANE)	ND	mg/L	0.00133		
		DELTA-BHC	ND	mg/L	0.00287		
		4,4-DDD	ND	mg/L	0.00533		
		4,4-DDE	ND	mg/L	0.00287		
		CHLORDANE	ND	mg/L	0.00287		
		4,4-DDT	ND	mg/L	0.00533		
		DIELDRIN	ND	mg/L	0.00287		
		ENDOSULFAN I	ND	mg/L	0.00287		
		ENDOSULFAN II	ND	mg/L	0.00533		
		ENDOSULFAN SULFATE	ND	mg/L	0.00533		
		ENDRIN	ND	mg/L	0.00287		
		ENDRIN ALDEHYDE	ND	mg/L	0.00887		
		ENDRIN KETONE	ND	mg/L	0.00887		
		HEPTACHLOR	ND	mg/L	0.00287		
		HEPTACHLOR EPOXIDE	ND	mg/L	0.00287		
		ALPHA-CHLORDANE	ND	mg/L	0.00287		
		METHOXYCHLOR	ND	mg/L	0.00887		
		GAMMA-CHLORDANE	ND	mg/L	0.00287		
		TOXAPHENE	ND	mg/L	0.0533		

This report may not be reproduced except in full.

Authorized for Release By: David J. Melander For Richard D. Reid -  
Laboratory Director

*FILE- PORTLAND - USCG*

FROM : KOPPERS

FAX NO. : 5032852831

Apr. 26 2005 10:24AM P1

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commandant  
United States Coast Guard

2100 Second Street, S.W.  
Washington, DC 20593-0001  
Staff Symbol: G-MPS-1  
Phone: (202) 267-4150  
Fax: (202) 267-4967

16600

**APR 11 2005**

Koppers Inc.  
Carbon Materials & Chemicals  
Attn: Mr. T. J. Turner  
7540 NW Saint Helens Road  
Portland, OR 97210-3363

Dear Sir:

We reviewed your submission, dated February 16, 2005, wherein you requested a waiver from all of the requirements of Part 105 of Title 33 of the Code of Federal Regulations (33 CFR Part 105) for your facility located at 7540 NW St. Helens Road, Portland, Oregon. We are pleased to inform you that we are approving your waiver request.

After considering the nature of the operations conducted by your facility, receiving only domestic barges not otherwise subject to 33 CFR Part 104 and handling only carbon pitch, or other commodities not regulated by 33 CFR Part 105, it has been determined that this facility poses a lower level of risk for being involved in a Transportation Security Incident. Therefore the requirements of 33 CFR Part 105 are waived. If in the future this facility changes either of the above stated conditions, it will be required to meet 33 CFR Part 105.

Your facility is still subject to 33 CFR Parts 101 and 103. Please work with your local Captain of the Port (COTP) to ensure the physical security at your facility is adequate and notify your COTP with changes to your operations.

Please contact LT Fasceski at (202) 366-9750 if you have any further questions regarding this decision.

Sincerely,

C. L. STOWE  
Commander, U. S. Coast Guard  
Chief, Vessel & Facility Security  
By direction

Copy: Commander, Coast Guard Pacific Area (Pmr)  
Commander, Coast Guard Thirteenth District (m)  
Commander, Coast Guard Marine Safety Office Portland  
Black and Veatch

cc: J. Marchionetti  
T. Self  
J. Dietz

4/26/05

Koppers012974



FILED - PORTLAND - ENV - NPDES

Dietz Jim

**From:** Self Traci  
**Sent:** Tuesday, July 19, 2005 9:13 AM  
**To:** Hyde Leslie; Dietz Jim  
**Cc:** Kameron Amos; Turner TJ  
**Subject:** ODEQ conference call-July 14, 2005

TJ, Amos and I had a conference call with Elliott Zais and Matt McClincy(sp?). Elliott is the NPDES permit writer and Matt is the ODEQ representative for the Gasgo site Land Quality Clean up program.

Elliott started by saying that the NPDES permit went out for comment last August and Koppers submitted comments and since that time we have not had much movement in getting the permit finalized and that is why he has asked Matt to explain why changes in the permit are needed.

Matt stated that the cleanup program needs "new standards" for the site. He explained that the site is on the boundary of an NPL cleanup site and one of the goals is to identify potential sources that may impact the Harbor. They do not want to clean the site and have it re-contaminated by other contributors. He stated that over the years ODEQ has been working with NWNG and not the individual tenants but they feel that as the tenants renew permits ODEQ needs to review the permit limits in light of the overall site cleanup goals. He stated that Koppers Inc. present discharge limits are orders of magnitude above the site cleanup levels for PAH's. Matt stated that based on his review of our data that the site is picking up groundwater in the site sumps and discharging it to Doan's creek which flows to the Willamette River.

WATER FROM

Amos, TJ and I again questioned why and under what statute the cleanup requirements are made apart of Koppers Inc. NPDES permit. Matt and Elliott stated that they are not just "picking on" Koppers that as other permits come up they will also look at our neighbors but admitted that this is the first time they have attempted to require NPDES limits based on a cleanup program initiative. Matt and Elliott stated that NWNG is going to install a wastewater treatment system that we could participate in and meet the proposed limits. We explained that we need something to take to our management regarding the authority, applicability etc. in order to justify the cost associated in participating with NWNG on a treatment facility. When asked if ODEQ has any data/information to support any negative impact associated with Koppers Inc batch discharge of approx. 220,000 gallons that occurs 6-8 month/ year, Matt stated that our current discharge limits are above the site cleanup criteria and he would provide that information.

I personally think that Elliott was getting a little bothered that we are questioning ODEQ authority rather than our environmental stewardship. We explained to him that it was not really a question of authority but we need to be able to justify why a treatment process is needed and why it is Koppers Inc. responsibility. We again told him that if it is a requirement of the NPDES permit then we can evaluate our options. Elliott stated that he did not want a permit that was going to be dragged out on appeal and he was trying to avoid that situation. He said he and Matt would provide some data and a letter outlining the reasons why lower limits and alternate discharge locations are required.

If we do not want to participate in the NWNG waste water treatment program, we should consider if there are any other options for the on-site sumps. I think a case can be made that if we are "collecting the contaminated groundwater" Koppers accepts responsibility for the discharge and therefore could be required to treat it prior to discharge. We need to determine how the groundwater infiltrates the sumps and look at alternatives to prevent the collection of the contaminated groundwater.

Traci I. Self  
 Environmental Manager

9/8/2005

Koppers012975



# Oregon

Theodore Kulongoski, Governor

## Department of Environmental Quality

Northwest Region Portland Office

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

(503) 229-5263

FAX (503) 229-6957

TTY (503) 229-5471

25 August 2005

Traci Self  
Koppers Inc.  
436 7<sup>th</sup> Ave.  
Room K-1800  
Pittsburg PA 15219-1800

Re: NPDES permit

Dear Ms. Self:

This letter is in response to your request on 14 July 2005 for further justification of the conditions we proposed for the NPDES permit for the Koppers site in Portland at 7540 NW St Helens Road.

No → In order to issue an NPDES permit, DEQ is required to look at all parts of the waste stream. For this facility, the waste stream has always been characterized as tank farm runoff water, i.e., storm water and boiler blowdown water. Previous permits before 1988 also included non-contact cooling water. The containment areas are presumed to be competent and to not allow a connection to groundwater. We have analytical data that suggest Koppers' discharge has a chemical signature very similar to water being pumped as part of NW Natural's groundwater remediation. This NPDES permit does not authorize the discharge of contaminated groundwater. If Koppers is, indeed, intersecting groundwater in the containment area and discharging it, it would be an unpermitted discharge. The permit would have to be modified to include this waste stream, any appropriate effluent limitations, and any additional monitoring requirements.

Therefore, the Department would request any information Koppers has that provides the necessary engineering evaluation to demonstrate that the permitted system does not contain contaminated groundwater. Specifically, the evaluation would have to show that the storm water contaminated areas are not influenced by groundwater.

Mr. Kameron inquired about DEQ's legal authority to set additional limits that are not directly addressed in Tables 20, 33A, and 33B. The following citation from the Oregon Administrative Rules speaks to his question.

"OAR 340-041-0033(3) To establish permit or other regulatory limits for toxic substances for which criteria are not included in Tables 20, 33A, or 33B, the department may use the guidance values in Table 33C, public health advisories, and other published scientific literature. The department may also require or conduct bio-assessment studies to monitor the toxicity to aquatic life of complex effluents, other suspected discharges, or chemical substances without numeric criteria."



1182-1001

Koppers012976

The email and the Hahn and Associates, Inc. report I forwarded to you around 3 August 2005 provided some additional information about the Department's continuing investigations on the Gasco site and in Portland Harbor. Source control is a major issue which must be dealt with in order to do an effective cleanup. The soon to be released Joint Source Control Strategy document will lay out the DEQ/EPA plan to clean up the harbor.

Normally, a facility discharging in compliance with an NPDES permit is exempt from cleanup rules. However, if the discharge is causing accumulation of toxic materials to unsafe levels, the discharger's permit may no longer be appropriate. The following is the relevant part of the Oregon Administrative Rules (OAR).

**OAR 340-122-0030**

**Scope and Applicability**

These rules apply to the release or threat of release of hazardous substances into the environment, except as provided below:

(1) Exempted Releases. These rules shall not apply to releases exempted pursuant to ORS 465.200(21)(a), (b), (c), and (d).

(2) Conditional Exemption of Permitted Releases. These rules do not apply to permitted or authorized releases of hazardous substances, unless the Director determines that application of these rules might be necessary in order to protect public health, safety or welfare, or the environment. These rules may be applied to the deposition, accumulation, or migration resulting from otherwise permitted or authorized releases.

The Department sees the following possibilities for the Koppers facility:

1. Koppers could choose to work with NW Natural and maybe other tenants and build a treatment system which will be viewed as adequate, such as a GAC system. The NPDES permit for the discharge could be held individually by NW Natural or jointly by all the dischargers.
2. Koppers could choose to continue the renewal process for the current permit. This permit would include the limits in the 6 August 2004 applicant review draft permit. Discharge would be possible to either Doane Creek or to the Willamette River.

Please contact me at your earliest convenience to discuss this further.

Sincerely,

1) POTW R&C

Elliot J. Zais, PhD, PE  
Senior Environmental Engineer  
Northwest Region

cc: Amos Kamerer and T. J. Turner





# Oregon

Theodore R. Kulungoski, Governor

*FILE - PORTLAND - ENV - RERO***Department of Environmental Quality****Northwest Region Portland Office**2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

(503) 229-5263

FAX (503) 229-6945

TTY (503) 229-5471

November 29, 2004

T.J. TURNER  
GENERAL FORMAN  
KOPPERS INC  
7540 NW SAINT HELENS ROAD  
PORTLAND OR 97210

RE: **Notice of Noncompliance**  
NWR-04-040  
ORD027734359  
Koppers Inc  
Hazardous Waste Violations  
Multnomah County

Dear Mr. Turner:

I reviewed the information that you have submitted for the violations documented at the Koppers facility located at 7540 NW Saint Helen Road in Portland, Oregon to demonstrate compliance with the above referenced Notice of Noncompliance (Notice). Koppers has supplied the required documentation to demonstrate compliance. However, I would like to make you aware of concerns regarding Koppers understanding regarding requests for requirements documentation.

In your response Koppers has stated that your facility is not in violation with any of the requirements because you were able to provide the requested documentation after the fact. These documents could have been produced after the fact and they were not made available at the time of the inspection. I made three requests for these documents.

During my initial inspection with Mr. Turner, the second when returned to the site several days later and met with Mr. Amos Krammer and the Corporate Environmental person by phone. My last request was made during the closing conference where I stated the violations to be cited and what I would be requesting to demonstrate compliance. Records must be made available at the time of the inspection and a failure to do so is a violation of ORS 466.090. Therefore, these violations in fact did occur. I wish to make Kopper's aware that they are regulated under other permits with the City of Portland and with the Department. It is important that Koppers understands that Departments position with respect to complying with documentation requests.

This case will not be forwarded on the Department's Enforcement Section at this time. However, the other programs within the Department will be made aware of the issue with documentation requests, and failure to provide documentation during a future inspection could lead to an enforcement action.

I am considering the violations that were cited closed, and the Department will not be pursuing a further action regarding this Notice. If you have any questions concerning this Notice, you may contact me at (503) 229-6105.

Sincerely,



Rebecca Paul  
Natural Resource Specialist

(files)

cc: Office of Compliance and Enforcement, DEQ

cc: J. Dietz, K-1650  
T. Self, K-1800  
12/14/04

10/14/2004

Rebecca Paul  
Natural Resource Specialist  
Oregon Department of Environmental  
Quality  
Northwest Region Portland Office  
2020 SW 4th Avenue, Suite 400  
Portland , Oregon 97201-4987

**Subject: Notice Of Noncompliance  
NWR-04-040  
ORD027734359  
Koppers Inc.  
Hazardous Waste Violations  
Multnomah County**

Dear Rebecca:

Koppers received the Notice of Noncompliance on September 21, 2004 and respectively submits this response:

- Violation 1—Class 2: 40 CFR 262.34(a)(4) as it refers to 40 CFR 265.17(d)(1) requires a generator to maintain onsite a written list of the job descriptions of all positions related to hazardous waste management and the name of the employee who is filling that job position.

**Response:**

Koppers maintains written job descriptions for each position that specifically lists the Safety, Health and Environmental (SH&E) responsibilities of that position. The job description for the General Foreman and Utility man was provided to you during the inspection along with the training matrix that identified T.J. Turner as the general foreman and Scott Hummel as the utility-man. These two documents together meet the requirements of 265.17(d) (1); therefore no violation exists.

- Violation 2-Class 2: 40 CFR 262.34 (a)(4) as it refers to 40 CFR 265.37(a)(3) requires a generator to make arrangements with state emergency response authorities. The facility was unable to document those arrangements with the police and the hospital. The facility did have documentation for the arrangements that they made with the Fire Department and some other agencies.

**Response:**

The Portland Terminal has historically been regulated as a CESQG and in 2002-2003 because of a downturn in economic conditions associated with the reduced operation of the Aluminum Smelters in the Pacific Northwest was forced to re-evaluate the planned operation of the facility and decided that the number of storage tanks located at the facility would not be needed for continued operation. Koppers then implemented a plan to reduce the number of tanks in use at the facility from 25 to 6. A large percentage of the tank contents were recycled or reused at another Koppers facility but the tank residue required disposal. In order to avoid the sampling and analysis involved with characterization (staff greatly reduced) Koppers decided to dispose of the material as hazardous waste. This cleaning effort has temporarily resulted in a change in generator status from CESQG to LQG.

As a CESQG the Portland Terminal was not required to have a contingency plan or coordination with agencies.

Due to the nature of materials in storage and Koppers commitment to SH&E, tabletop exercises have been held with local authorities (police, fire etc.) in an effort to coordinate response to emergencies. Koppers has completed the tank cleaning project and expects to return to CESQG status in 2004. In an effort to provide an acceptable response to ODEQ and ensure appropriate response a copy of the SPCC plan which includes a RCRA contingency plan will be forwarded to local fire, police and hospitals.

- Violation 3-Class 2: 40 CFR.34(a)(4) as it refers to 40 CFR 265.52(e) requires a generator to update the spill contingency Plan to include a complete list of emergency equipment. The facility had a list of the equipment and the location of that equipment however, the list must also include the capabilities of that equipment to be completed.

**Response:**

See response to Violation 2. The SPCC plan includes a list of emergency equipment. The footnote on this list includes the capability of the equipment and satisfies the intent of 40 CFR.52 (e). No violation exists.

- Violation 4 –Class 2: 40 CFR 262.34(a)(1) as it refers to 40 CFR 265.174 requires a generator to develop and execute a plan for weekly inspections of the hazardous waste container storage area. Plans for the facility were reviewed and they stated that drums were stored prior to waste shipments. At the time of the inspection there were no drums in the storage area. The facility was not generating any waste at the time of inspection but has stored waste on-site in the past. No inspection documentation could be provided to show compliance.

**Response:**

- See response to violation 2. As stated the Portland Terminal has historically been a CESQG and became a LQG due to plant cleaning activities. The facility did not have material in storage for extended periods of time but conducts daily field inspections (attached) management practice. As shown on the report the hazardous waste and oil station are inspected daily and have been inspected on a daily basis since \_\_\_\_ . Koppers going forward anticipates returning to status of CESQG and therefore weekly inspections are not required but the Daily field inspections will continue as a best management practice.

**Additional Concerns:**

- Koppers has not made a decision as to continued operations at the Portland Terminal. The materials in storage in the pitch building are coal tar pitch which is a Koppers product. If at any time the material is declared a "hazardous waste" then the speculative accumulation regulation you cited in the notice of noncompliance will be followed.
- In response to your comment regarding a TCLP for Pitch. Koppers is providing the attached analysis to demonstrate that pitch is not a hazardous waste when sent for disposal. The material in the storage building is not a waste and is not intended for disposal.

Sincerely,

T.J. Turner  
General Foreman

cc:

Enclosure(s)



FILE - PORTLAND - ENV.

FROM : KOPPERS

FAX NO. : 5032852831

04 2004 01:27PM P1



**Oregon**

Theodore R. Kulongoski, Governor

**CERTIFIED MAIL**

**RETURN RECEIPT REQUESTED**

**Department of Environmental Quality**

**Northwest Region Portland Office**

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-4987

(503) 229-5263

FAX (503) 229-6945

TTY (503) 229-5471

September 30, 2004

T.J. Turner  
General Forman  
Koppers Inc  
7540 NW Saint Helens Road  
Portland, OR 97210

Post-It® Fax Note	7671	Date	10/4/04	# of pages	5
To	TRACI SELF	From	Amos		
Co./Dept.	FYI	Co.			
Phone #	Call us, About	Phone #	8:15 AM tomorrow		
Fax #		Fax #	if you can		

RE: **Copy of Inspection Report.**  
NWR-04-040  
ORD027734359  
Koppers Inc  
Hazardous Waste Violations  
Multnomah County

W. Leslie Hyde  
Jim Dietz

Dear Mr. Turner:

Enclosed is a copy of the inspection report for the Koppers facility. The report is done to detail the activities and discussion that occurred at the during the facility inspection. I am sending this to you to provide you any additional information you may need to address the corrections to the Notice that were requested by the Department.

If you have any questions concerning this letter or the Notice, you may contact me at (503) 229-6105.

Sincerely,

Rebecca Paul  
Natural Resource Specialist

(files)

cc: Office of Compliance and Enforcement, DEQ

Koppers012983

State of Oregon  
Department of Environmental Quality

Memorandum

Date: September 16, 2004

To: File

From: Rebecca Paul: Northwest Region

Subject: Inspection Report on Koppers Company.

On September 9 and September 14, 2004, I performed an inspection of the Koppers Company located at 7540 NW Saint Helens Road in Portland, Oregon. This inspection was done as a routine compliance inspection and to determine the facility's compliance with the Department's Hazardous Waste regulations. I was escorted through the facility by Mr. TJ Turner the facility's General Foreman. On the second day of the inspection, I met with Mr. Amos Kameron, who is a Semi-Retired Manager of the facility.

**Generator Status:**

The facility was registered as a Large Quantity Generator (LQG), and was operating as an LQG for the years 2002, and 2003. Currently, the facility is a Conditionally Exempt Generator, (CEG). However Koppers may be an LQG in the future depending on how they decide to manage and characterize their waste streams in the future.

**Site Inspection:**

The facility was not operating at the time of the inspection. The Department has been out to this facility in years past mostly on compliant investigations. The facility is routinely inspected due to its water quality permit. There are several areas of the facility that were in the process of being cleaned and put out of service. According to Mr. Turner this work was being done while the facility's management back east was deciding what the future of the company was going to be. I asked Mr. Turner about the process in order to understand the waste streams that were generated. I received furthermore clarification during my subsequent meeting with Mr. Kameron.

The facility receives by-products from the coal industry. The two main products that they handle are coal tar pitch and creosols. The coal tar is received in a solid form and is commonly referred to as pencil pitch. The creosol was received in its liquid form but Koppers discontinued handling creosol several years ago. The creosol as used as a treatment chemical for railroad ties, phone poles, and in some cases as an additive to roofing compounds. The majority of the waste that was generated from the facility was related to the cleaning of the tanks that once contained the creosol.

Currently, Koppers is only servicing the contracts that they have place for two aluminum plants in the Northwest. The coal tar pitch is used to make the pot liners for the aluminum industry. They had contracts with many of the smelters in the northwest. Some of those smelters have

since shut down so the company is in the process of servicing the two remaining smelters in the area. According to Mr. Turner, Koppers will be evaluating in December if the Portland operation will continue to exist. As a result of the lost of business, the facility has cleaned out 20 product storage tanks at the facility, and is currently only using six tanks for their operation.

The process of making the coal tar pitch saleable requires that the facility changes its form from a solid to a liquid material. The raw material is stored in a large medal building onsite. The material is placed on a conveyer belt and is fed in to a heating unit. The material is heated to about 350 ° F to turn the material into a liquid. The liquid material is then placed into tanker trucks for transportation. Currently, the facility is shipping out three truck loads per day, three to four days per week. Mr. Turner and I toured the facility and there was no activity going on at the time. There were no waste drums in storage. The majority of the tanks that had been cleanout were labeled as being "out-of service". There were some drums stored on the west side of the building but these drums were empty. We then toured the raw product area where dry coal tar is stored. During my past inspections at the facility there were large piles of material in this building. This time there were some very small piles of materials which mostly appeared to be residues of previously heated materials. There was medal crating in between the asphalt floor and the walls. A fair amount of dry coal tar had collected in these areas. A spill of previously heated coal tar was observed on the floor in this building. I asked Mr. Turner about this spill. He said that one the truck was overweight so it was returned to the facility to offload the overweight material. They poured off the liquid material on to the floor of the building and allowed it to harden on the asphalt. He said that he was going to scrape up the material and place it back into the process to be reheated and reused. I asked when this spill occurred and he said the material had been there for six weeks. I asked him when they were planning on running the conveyer. I also asked him when it was last operated. He said that they have not used it since the first of the year which is approximately nine months from the date of this inspection.

We toured the remainder of the facility. There were three drums of used oil stored in drum storage area. These drums were labeled and closed at the time of the inspection. There were no drums of hazardous waste found at the facility.

I then performed a records review which I continued on September 14, 2004. The delay was due to a previous appointment Mr. Turner had. I also had some additional questions regarding the paperwork I reviewed. I needed Mr. Kamerer to clarify some of these issues for me. Mr. Kamerer works a part time schedule. I had some questions regarding the process and the waste streams that were generated. The waste codes on the manifests were listed as U051, and D018. The material was shipped in drums as a solid, in 2003. This material did not use the same shipping name as the creosote which is specifically listed. Mr. Kamerer said that waste was the solid coal tar or pencil pitch not the creosote. I asked him if the material had been tested to determine if it fails to TCLP benzene. He said at the time that he assigned the waste codes to the material because it was less expensive to dispose of this waste as a hazardous waste as opposed to testing it. He said he took a more conservative approach to the disposal. I asked if they had any test results for the coal tar or pencil pitch. During this meeting they contacted their corporate environmental manager. She said that she was not sure if they had TCLP data on the coal tar pitch or not. She said that the information was on the MSDS sheet. I explained that they should have lab results to back up what was on the MSDS sheet. However, the purpose of an MSDS was

sheet is for worker safety issues not disposal. Furthermore the disposal of the material, coal tar is regulated as a hazardous waste in its used form, in the aluminum business it is regulated as a listed waste, for Potliner, K061.

I explained my reasoning for asking the questions related to the coal tar pitch. If the material is a hazardous material that requires reclamation prior to its use, the coal tar which is remaining inside the steel building has the potential to become a hazardous waste under the rules of speculative accumulation. The facility must process 75% of the material within one calendar year. Any material that is not processed then becomes a waste and is subject to a waste determination and management as such. Given that all of the information that the facility has provided regarding this material, it may be a hazardous waste for TCLP benzene. Since the facility has customers that use the product, it would be wise for the company to process and sell the material before the year is over. I explained this during the closing conference for the facility.

#### Waste Streams:

**Coat Tar Pitch: U051, D018:** Koppers characterized this waste stream based on knowledge and they have no supporting lab data. It is likely that the waste stream was mischaracterized for the U051 waste code, and that it may or may not fail for the TCLP benzene.

**Waste Creosote: U051, D018:** This is waste generated from the cleanout of tanks at the facility. The creosote is a specifically listed under the U-listing for creosote. It is also likely that it would also fail a TCLP analysis for benzene.

#### Manifests and Land Disposal Restriction (LDR) Forms:

The manifests and the LDR forms were reviewed. The facility had all of the signed copies of the manifests. The LDR forms filed for each shipment of waste. All of the manifests were within the 60-day return signature requirement.

In the case of the waste codes that were assigned they may or may not be correct. The personnel Koppers took a more conservative approach to the disposal of this waste, which would be not a violation.

#### Employee Training:

The employee training program was reviewed. The personnel were trained in the facility's Spill Contingency Plan and some very basic hazardous waste training. They documented that the training was provided for the two years that they were operating as an LQG. As part of that requirement job descriptions for personnel must be included. The facility had job descriptions however they did not address the tasks associated with hazardous waste responsibilities. It must also include the specific list the person's name who is filling that job title. This is done so the facility and its employees have accountability. Koppers was also not doing weekly inspections of the drum storage area when hazardous waste drums were being stored. Personnel need to be trained on how to perform these inspections. These inspections should be documented in order to demonstrate compliance.

FILE- PORTLAND  
-ENV.- NPDES

October 1, 2003

Oregon Department of Environmental Quality  
Northwest Region  
2020 SW Forth Ave., Suite 400  
Portland, Oregon 97201-4987

Attention: Elliot J. Zais  
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642  
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of September 2003, including the 3<sup>rd</sup> quarter PAH test results.

We had one regular discharge of our 220,000-gallon storage tanks. This "slug" discharge of 220,000 gallons was pumped on September 14, 2003.

As you know; we had what I believe to be an anomaly with the oil and grease sampling of this storm water. Due to the extremely dry summer that we have had, this was the first sample taken from our storage tanks since May 8<sup>th</sup>, or for a full 4 month period. The rain that we had on September the 7<sup>t</sup> and the early morning hours of the 8<sup>th</sup> was very heavy. I believe that we had a big wash of street oily water across Hwy. 30 and then across the PWRR railroad tracks and into our tank farm, causing the higher level of oil and grease.

Regardless; our 1<sup>st</sup> sample taken on the 8<sup>th</sup> tested at 33.3 mg/L, which was very high and very unusual. A 2<sup>nd</sup> sample was taken on the 9<sup>th</sup> from the same sample point and via the same sampling method and it tested at 12.8 mg/L. At your suggestion, a 3<sup>rd</sup> sample was taken on the 10<sup>th</sup>, again from the same sample point and via the same method, this tested at <2.0 mg/L, or non-detect.

After conversations with both yourself and Michael Pronold, City of Portland, Environmental Services, we all concluded that this was an anomaly and that we could proceed with the discharge via our normal outfall and that no Notice of Violation would be issued.

Koppers012987

Page 2

I personally would like to thank you both for your understanding in this matter. We at Koppers take these types of matters seriously and it is nice to know that we can have this kind of dialog when something unusual develops.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at:  
[kamereras@koppers.com](mailto:kamereras@koppers.com)

Sincerely,

Amos S. Kamerer

CC: M. Pronold, City of Portland, Environmental Services

T. Self, KII

B. Bauman, KII

# Tar Stills Scheduled Outage

CLAIRTON MAINTENANCE

Order #	Respon.	Work Order Description	10/13			10/14			10/15			10/16						Reg.	O.T.
			1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	Hrs.	Hrs.
0010088	Bowers	*Install vortex in T.I. Recycle line																	
0101264	Bowers	Blank steam line at Tar Acid #2																	
0211059	Bowers	*Install gas line tie-in piping by 1T-4																	
0211111	Bowers	*Unplug steam outs on 2P-6A discharge																	
0303023	Bizila	*Install radar level probes in BV-1 and BV-3																	
0303096	Bowers	*Check and replace blank in gas line by 1T-4 heater																	
0305165	Bizila	Change T.I. Heater gas safety valve																	
0305164	Bizila	Calibrate Debenz. Feed rate																	
0305165	Bowers	*Change discharge valves on "C" compressor																	
0305166	Bizila	Repair main 480 breaker #1 unit																	
0307065	Bowers	Change 1" steam valve on V-130 tank suction																	
0307040	Bowers	Flange leaking on DB recycle line (by bathroom door)																	
0307106	Bowers	Change T.I. Column relief valve																	
0307163	Bowers	Repack V-122 production valve																	
0308037	Bowers	2T-1 btms cooler water outlet piping leaking																	
0308149	Bowers	Change overhead product valve on 1E-5 condenser																	
0308090	Bizila	*Install new BV-3 probe and change BV-3 control valve																	
0309035	Bowers	Change "A" compressor relief valve																	
0309036	Bowers	*Change chiller seperator relief valve																	
0309037	Bowers	*Change "B" compressor relief valve																	
0309154	Bowers	Pressure test D.B. reboilers (possible leaker)																	
	Bowers	Bonnet gasket leaking on gate valve by LV-9 control station																	
	Bowers	2T-2 column head leaking on 3rd floor																	
	Bowers	1/2" valve leaking on strainer at 2T-1 ejectors																	
	Bowers	Steam leak 6" 300# flange above 95 tank																	
	Bowers	Prep work for V-113 Vent piping																	
	Bowers	Blank secondary for inspection and repairs																	
	Bowers	*1 1/2" cap leaking on steam line 3rd floor																	
	Bowers	Repack (2) welded valves on Tar Stills roof																	
	Contractor	*Install V-113 vent piping																	
		*Remove trays & demisters and install new																	
		*Relocate north level displacer																	

\* with Work Order description indicates HJM needed

 Mechanical

 IR/ER

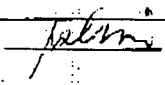
File: PORTLAND  
ENV. - AIR

**DEQ INSPECTION REPORT**  
**Northwest Region - Air Quality Section**

<b>Facility Name and Address:</b> Koppers Industries, Inc. 7540 NW St. Helens Rd. Portland, OR 97210-3663	<b>Permit Number: 26-2930</b>
	<b>County: Multnomah</b>

<b>Inspection Date/Time:</b> 08/05/2002 10:40 AM	<b>Reason for Inspection:</b> <i>(check one)</i>	Regularly scheduled inspection	x
		Complaint follow-up	
		Other (specify)	

<b>Permit Type:</b> <i>(check one)</i>	ACDP	x	<b>Inspection Type:</b> <i>(check two)</i>	Comprehensive 07	x
	Title V			Informational 08	
				Announced	x
				Unannounced	

<b>Inspector(s):</b> <i>(Name, Title and Agency)</i>	Rose Lim, Natural Resource Specialist DEQ-NWR/AQ	
<b>Air Quality Manager</b>	Audrey O'Brien, Northwest Region (503) 229-5572	NLC for AOB

<b>Facility Representative(s):</b> <i>(Name, Title and Phone #)</i>	Amos Kamerer, Plant Manager (503) 286-3681
--	---

Overview of Facility

- Koppers Industries, Inc., operates a coal tar pitch processing facility. This facility receives, stores, and transfers coal tar pitch primarily used in the primary aluminum production industry.

Pre-inspection File Review

- A file review was conducted. There are no ongoing compliance schedules or enforcement actions associated with this source. An annual report for the calendar year 2001 was submitted to the Department in accordance with the current permit reporting requirement.

Walk-through of Facility

- I interviewed Mr. Amos Kamerer, the plant manager of the facility during the inspection.
- No visible emissions or odors were observed.

**RECEIVED**

SEP 03 2002

KOPPERS INDS, INC.  
PORTLAND OR



- The facility was in operation at the time of inspection.
- The facility was operating at normal levels at the time of inspection.
- General conditions of the facility (housekeeping, fugitive emissions, etc) were good.
- Weather Condition: 70 degrees, sunny sky, and light wind.

#### Permit Conditions Reviewed During Inspection

Condition #	Description	In Compliance?
7,8,9,10	Plant Site Emission Limit	Y
16	Monitoring/Recordkeeping	Y
17,18	Annual Report	Y

#### Review of Annual or Semi-Annual Reports During Inspection

- The facility is current with submitting an annual report to the Department for each year the permit has been in effect, in accordance with current permit reporting requirements.

#### Compliance Status of Facility

Check one of the following:

<input checked="" type="checkbox"/>	Facility is in compliance with the permit conditions described above.
<input type="checkbox"/>	Facility is not in compliance with one or more of the permit conditions described above (provide additional detail below).

Is the facility under a compliance schedule to correct previous compliance problem(s)?

Check one of the following:

<input checked="" type="checkbox"/>	Facility is not under a compliance schedule to correct previous noncompliance.
<input type="checkbox"/>	Facility is on schedule to correct previous noncompliance.
<input type="checkbox"/>	Facility is not on schedule to correct previous noncompliance (provide additional detail below).

Is the facility under a compliance schedule to comply with future requirement(s)? Check one of the following:

<input checked="" type="checkbox"/>	Facility is not under a compliance schedule for future requirement(s).
<input type="checkbox"/>	Facility is on schedule to meet future requirement(s).
<input type="checkbox"/>	Facility is not on schedule to meet future requirement(s) (provide additional detail below).

Cc:

Amos Kamerer, Plant Manager  
Koppers Industries, Inc.  
7540 NW St. Helens Rd.  
Portland, OR 97210-3663

DEQ, AQ Source File

Post-it® Fax Note	7671	Date	9/4/02	# of pages	2
To	J. Dietz	From	Amos		
Co./Dept.	T. Self	Co.			
Phone #		Phone #	FYE		
Fax #		Fax #			

*File: PORTLAND - ENV. -  
NPDES PERMIT*



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region Portland Office

2020 SW 4<sup>th</sup> Avenue, Suite 400

Portland, OR 97201-1987

(503) 229-5263

FAX (503) 229-6957

TTY (503) 229-5471

Amos S. Kamerer  
Plant Manager  
Koppers Industries, Inc.  
7540 NW St. Helens Road  
Portland OR 97210

**JUL 06 2000**

Re: WQ-Multnomah County  
Koppers Industries, Inc.  
Facility No. 47430  
WQ-NWR-2000-75  
**NOTICE OF NONCOMPLIANCE**

A review of your facility discharge monitoring report for May 2000 for your NPDES individual permit shows the following permit limit exceedance:

**Violation: Monthly average phenols concentration of 0.54 mg/L. Your permit limit is 0.5 mg/L.**

The above violation is a Class II violation of your permit. Oregon Administrative Rule 340-12-041(2)(c) provides that a permittee shall not receive more than three NONs for Class II violations of the same permit within a thirty-six (36) month period without being issued a more formal enforcement action called a Notice of Permit Violation (NPV). The Department may, however, issue a NPV prior to the third NON. The Department requests your cooperation in ensuring that this violation does not recur.

### **Corrective Action Required:**

Your June 5<sup>th</sup> letter stated that you took only one phenol sample in May and that since it was below the permit daily maximum limit of 0.7 mg/L, you believed you were in compliance. There is no required corrective action, but the Department recommends additional sampling if a single sample is higher than the average. If you collect only one sample during a given month, it must be below the monthly average limit to be in compliance.

This Notice of Noncompliance suggests you use pollution prevention activities. Using pollution prevention can save you money through lower costs for resources or raw materials, energy and water, waste disposal or waste management, pollution control



equipment, occupational injuries, and DEQ permit costs, emission fees, and hazardous waste generation fees. Pollution prevention can also lead to improved worker health and safety, and increased efficiency or productivity through diverting investments in waste management into the manufacturing process.

What is pollution prevention? Preventing environmental degradation at the source. Pollution prevention can be achieved by:

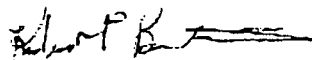
- protection of natural resources by conservation and improved management practices;
- increased efficiency in the use of raw materials, energy, water, or other resources; or
- source reduction and other practices that reduce or eliminate the creation of pollutants.

The brochure, Industry and the Environment, Pollution Prevention Opportunities, is enclosed for additional information.

Please contact Kevin Masterson, DEQ Northwest Region, 503/229-5615, if you have pollution prevention questions.

Please contact Elliot Zais, DEQ Northwest Region, 503/229-5292, if you have questions about this Notice of Noncompliance.

Sincerely,



Robert P. Baumgartner  
Manager, Water Quality Source Control  
Northwest Region

cc: WQ Division, DEQ  
Enforcement Section, DEQ

cc: J. Dietz

T. Seif

M. C. Hogg

F.Y.I.

Amos 7/6/00

RECEIVED

JUL - 7 2000

KOPPERS INDUS. INC.  
PORTLAND OR



FROM : KOPPERS INDUSTRIES, INC.

286 3681

1900.08-28 13:19 #380 P.01/10

**INDUSTRIES**

FAX TRANSMITTAL

Portland, Oregon 97210-3663

Phone: (503) 286-3681

Fax: (503) 285-2831

Web Page: [www.koppers.com](http://www.koppers.com)

TO: J. Dietz, T. Self, M. Gilly, B. Meisinger DATE: 8/28/00

FROM: Amos TOTAL # OF PAGES: 10

The Attached is Self-explanatory

I have told Bob Wyatt, NWN that we want to  
have this resolved by 10/1/00

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

**HAHN AND ASSOCIATES, INC.**  
**ENVIRONMENTAL CONSULTANTS**

August 24, 2000

Mr. Eric Blischke  
Oregon Department of Environmental Quality  
Voluntary Cleanup and Site Assessment Section  
2020 SW 4<sup>th</sup> Avenue  
Portland, Oregon 97201

HAI Project No. 2708

**SUBJECT: Groundwater Quality Data, Above-Ground Storage Tank Support Piling Monitoring, Koppers Industries, Inc. Lease Area, NW Natural-Gasco Facility, 7900 NW St. Helens Road, Portland, Oregon**

Dear Mr. Blischke:

On behalf of NW Natural, enclosed please find a summary of groundwater quality data (Tables 1 and 2) as obtained from wells at the Gasco site that monitor groundwater conditions down-gradient from the new above-ground coal tar pitch tank that was constructed by Koppers Industries, Inc. (KII) in 1999 (Figure 1).

As you are aware, monitoring wells MW-14-110, MW-15-50, and MW-15-66; all down-gradient of the tank foundation pilings within the Alluvial Sand water-bearing zone (WBZ); are being monitored on a quarterly sampling frequency as per a December 14, 1999 assessment plan<sup>1</sup> that has been implemented such that an evaluation of environmental impacts associated with piling construction for the new coal tar pitch tank may be conducted. Pilings were driven in May 1999, while wells MW-15-50 and MW-15-66 were installed in July 1999, and well MW-14-110 was installed in October 1998.

The primary objective of the monitoring activities has been the acquisition of sufficient data such that the likely source of polynuclear aromatic hydrocarbon (PAH) and aromatic hydrocarbon (particularly benzene) contamination identified at the MW-15-50 well location could be ascertained. Specifically, monitoring activities were designed such that a determination as to whether the impacts identified at MW-15-50: (1) pre-date the installation of tank foundation pilings; (2) are the result of limited piling drag-down of shallow contamination into the Alluvial Sand WBZ; or (3) are the result of the pilings acting as an on-going conduit for the continued migration of shallow contamination into the Alluvial Sand WBZ. The preceding determination is necessary in order to evaluate whether tank installation procedures have exacerbated existing contamination at the site, since KII desires to commence construction of a second tank in this area during 2001.

As provided within the Assessment Plan (HAI 1999), monitoring activities were completed over the course of one year to allow for the identification and evaluation of concentration trends at the wells such that the type/mechanism of the contaminant source currently identified at the MW-15-50 location could be ascertained. With completion of the June 2000 sampling event, one year of groundwater quality data are now available, and an interpretation of trends in contaminant concentrations are provided herein.

<sup>1</sup> Hahn and Associates, Inc. (1999), *Proposed Assessment Plan, Above-Ground Storage Tank Support Pilings, Koppers Lease Area, Northwest Natural Lease Area, Northwest Natural-Gasco Facility, 7900 NW St. Helens Road, Portland, Oregon* (Ede to Blischke), December 14, 1999.

434 NW 6th AVENUE, SUITE 203 • PORTLAND, OREGON 97209-3651

503/796-0717 OFFICE • 503/227-2209 FAX

www.hahnasoc.com

Koppers Above-Ground Storage Tank Data Evaluation  
NW Natural - Gasco Facility  
7900 NW St. Helens Road  
Portland, Oregon

Page 2 of 2  
Project No. 2708  
August 24, 2000

Figures 2 and 3 provide charts depicting benzene and total PAH concentrations through time at the MW-15-50 well location. As depicted on Figure 2, and as summarized on Table 1, benzene concentrations at the MW-15-50 well location have decreased from a high of 95,100 parts per billion (ppb) in July 1999 to a low of 1,270 ppb in June 2000, while total PAH concentrations have declined from a high of 18,460 ppb to a low of 451 ppb over the same time-frame.

With regard to well MW-15-66, screened just beneath well MW-15-50 at the base of the Alluvial Sand WBZ, samples from this well have consistently indicated a lack of detectable benzene concentrations, while total PAH concentrations have remained low (Tables 1 and 2).

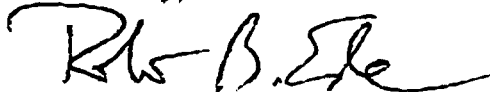
Furthermore, since installation of the tank support pilings in May 1999, no increasing concentrations of PAHs or benzene have been identified at the well MW-14-110 location, screened at the base of the Alluvial Sand WBZ approximately 250 feet down-gradient of the tank support pilings (Tables 1 and 2, Figures 4 and 5).

Under a scenario involving an ongoing source of contamination to the Alluvial Sand WBZ, one would expect stable or increasing concentration trends at the MW-15-50 location, with a strong increasing trend in contaminant concentrations at well MW-15-66. Since trends observed to date indicate a decline in concentrations through time at the MW-15-50 location, and non-detect to low concentrations at MW-15-66, it does not appear that piling installation has resulted in creation of an artificial conduit leading to exacerbation of overall site contamination. Instead, contamination identified within the Alluvial Sand WBZ at the MW-15-50 well location is likely the result of "one-time" contaminant drag-down during the piling installation. The slug of contamination resulting from the piling construction would not be expected to significantly contribute to the existing site contamination since this slug would attenuate and be masked by an existing plume of greater concentration within the Alluvial Sand WBZ at down-gradient portions of the site.

Based on the findings described herein, it is requested that DEQ remove the moratorium on further tank construction activities at the site.

If there are any comments or questions, please contact the undersigned.

Sincerely,



Robert Ede  
Sr. Project Manager

c: Ms. Sandra Hart, NW Natural  
Mr. Bob Wyatt, NW Natural  
Mr. Amos Kameron, Koppers Industries, Inc.  
Mr. Richard Bach, Stoel Rives, LLP  
Mr. Steve Cappellino, Anchor Environmental LLC

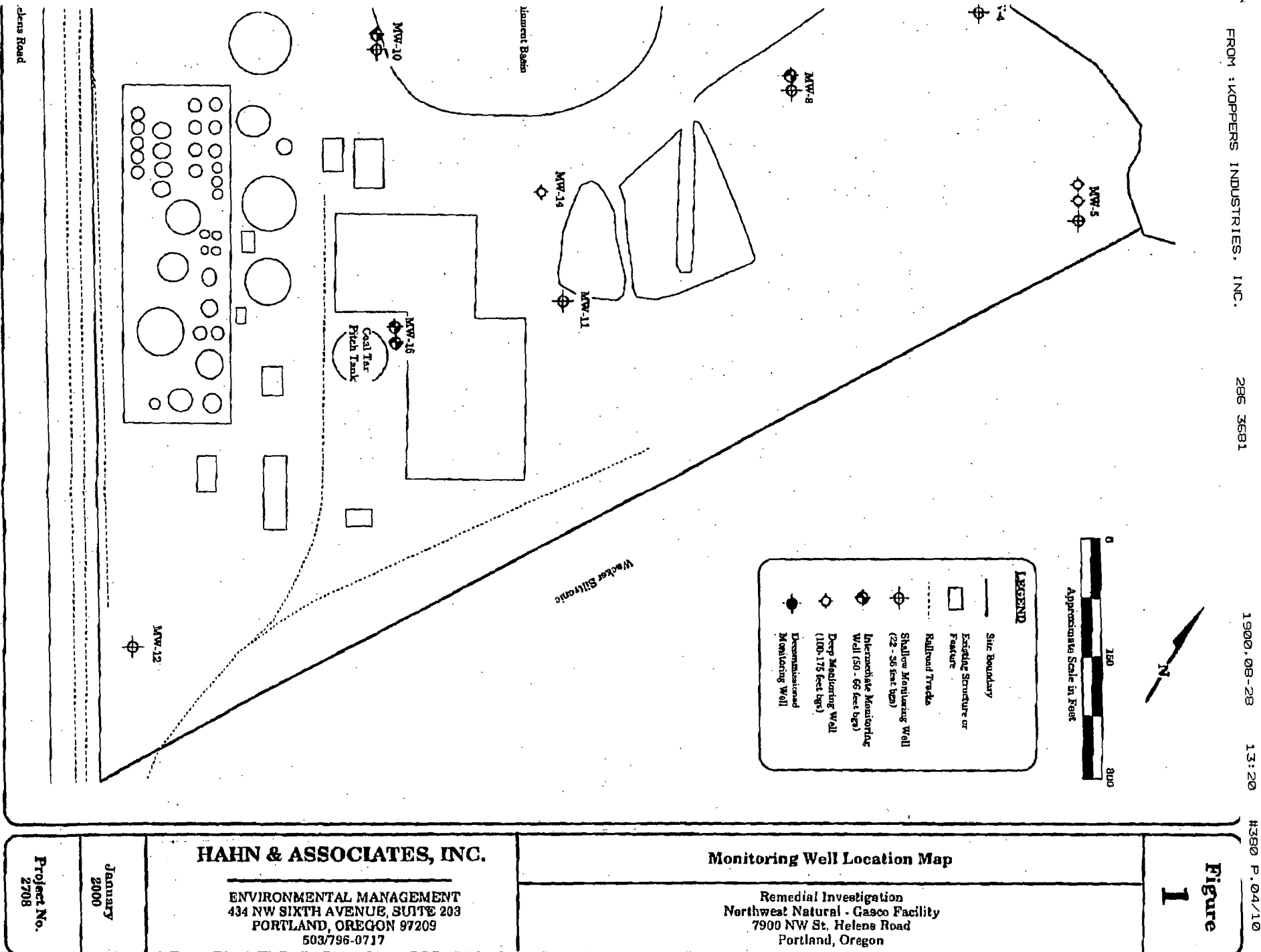


Table 1 - Summary of Historical Analytical Results for Groundwater Samples: BTEX, Total PAHs, and Cyanide (November 1998 to Present)

Remedial Investigation  
Northwest Natural - Gasco Facility  
Portland, Oregon

Project No. 2708

Well Number	HAI Sample Number	Chain of Custody Number	Sample Date	Analytical Results									
				EPA Method 8020 ug/l (ppb)					EPA Method 8270 SIM ug/l (ppb)		EPA 9010 mg/l (ppm)	EPA 901 mg/l (ppm)	
				Benzene	Toluene	Ethyl benzene	Xylenes	Total BTEX	Carcinogenic PAHs	Total PAHs	Total Cyanide	Amesable Cyanide	
MW-14-110	881115-MW14-110-06	2708-W037	16-Nov-98	13.3	ND>0.5	ND>0.5	ND>1.5	3.2	ND		0.05		
	890216-MW14-110-005	2708-W042	16-Feb-99	13.7	ND>0.5	0.6	ND>1.5	13.3	ND	0.11	0.04	ND>0.02	
	890512-MW14-110-09	2708-W045	12-May-99	22.1	ND>0.5	1.88	2.4	26.4	ND	0.28	0.03		0.03
	890823-MW14-110-06	2708-W049	23-Aug-99	46.6		0.75	1.85	50.3	ND	0.41	0.05	ND>0.02	
	891027-MW14-110-09	2708-W055	27-Oct-99	28.6		0.81	1.45	30.8	ND	0.25	0.04	ND>0.02	
	891027-MW14-110-10	2708-W055	27-Oct-99	29.7		0.57	1.52	31.8	ND	0.27	0.03	ND>0.02	
	000329-MW14-110-109	2708-W060	29-Mar-00	7.84	ND>0.5	0.73	ND>1.5	8.6	ND	0.42	0.03	ND>0.02	
	000329-MW14-110-110	2708-W060	29-Mar-00	8.9		0.5	0.83	10.2	ND	0.42	0.03	ND>0.02	
	000615-MW14-110-102	2708-W064	15-Jun-00	4.85	ND>0.5	ND>0.5	ND>1.5	4.9	ND	0.2		ND>0.02	
MW-15-50	890728-MW15-50-04	2708-W048	28-Jul-99	85,100		863	223	2,420	98,608		18,460	ND>0.020	ND>0.02
	891029-MW15-50-26	2708-W057	29-Oct-99	8,910		134	59.2	500	9,603.2	ND	782	0.16	ND>0.02
	000403-MW15-50-125	2708-W062	3-Apr-00	44,800		520	222	2,300	47,942	3.31	5,811	0.07	ND>0.02
	000615-MW15-50-105	2708-W064	15-Jun-00	1,480		14.3	8.82	42	1,532.9	288	475		ND>0.02
	000915-MW15-50-106	2708-W064	15-Jun-00	1,270		10	5.16	28.4	1,313.6	284	451		ND>0.02
MW-15-68	890728-MW15-68-03	2708-W048	28-Jul-99	3.81	ND>0.5	ND>0.5	ND>1.5	3.6	0.83	3	ND>0.020	ND>0.02	
	890823-MW15-68-04	2708-W050	23-Aug-99	0.72	ND>0.5	ND>0.5	ND>1.5	0.7					
	891028-MW15-68-07	2708-W054	28-Oct-99	ND>0.5	ND>0.5	ND>0.5	ND>1.5	ND	ND	ND	ND>0.020	ND>0.02	
	000329-MW15-68-108	2708-W060	29-Mar-00	ND>0.5	ND>0.5	ND>0.5	ND>1.5	ND	3.81	7	ND>0.02	ND>0.02	
	000615-MW15-50-104	2708-W064	15-Jun-00	ND>0.5	ND>0.5	ND>0.5	ND>1.5	ND	12.17	22		ND>0.02	
EPA Maximum Contaminant Levels (MCLs) for Drinking Water				5	1,000	700	10,000	8	8	8	0.2	8	
EPA Region 9 Preliminary Remediation Goals (PRGs) for Tap Water (10/99)				0.41	720	1,500	1,400	8	8	8			0.75
DEQ Ambient Water Quality Criteria (AWQC) for Surface Water				40	424	1,400	8	8	0.031	8	0.0062	8	

Note: BTEX = benzene, toluene, ethylbenzene, and xylenes  
DEQ = Oregon Department of Environmental Quality  
EPA = U.S. Environmental Protection Agency

mg/l = milligrams per liter  
ND = not detected above detection limit indicated  
PAHs = polynuclear aromatic hydrocarbons

ppb = parts per billion  
ppm = parts per million  
ug/l = micrograms per liter

8 = Reference Level not established  
Bold and shaded = Detected above Lowest Identified Reference Level

1 = Sample number prefix 2708-

2 = Reference Level indicated is the lowest guidance value provided in the Ambient Water Quality Criteria (QAR 340-41) based on Fresh Aquatic, Fresh Chronic (Aquatic Life Protection) and Fish Consumption (Human Health Protection)

3 = Reference Level based on Aquatic Fresh Chronic Criteria of AWQC

4 = Reference Level based on Human Fish Consumption Criteria of AWQC



Table 2 - Summary of Historical Analytical Results for Groundwater Samples: PAHs by EPA Method 8270 (November 1998 to Present)

Remedial Investigation  
Northwest Natural Gasco Facility  
Portland, Oregon

Project No. 2708

PAHs by EPA Method 8270 (SDM)				Analytical Results ug/l (ppb)																					
Well Number	Sample Number	Chain of Custody Number	Sample Date	Carcinogenic PAHs										Non-carcinogenic PAHs										Total Carcinogenic PAHs	Total PAHs
				Benzo (a) Anthracene	Benzo (b) Fluoranthene	Benzo (k) Fluoranthene	Benzo (a) Pyrene	Chrysene	Dibenz (ah) Anthracene	Indeno (1,2,3-cd) Pyrene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (ghi) perylene	Fluoranthene	Fluorene	Strorene	Naphthalene	Phenanthrene	Pyrene					
MW-14-110	981116-MW14-110-00	2708-V037	18-Nov-98	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND	ND				
	990216-MW14-110-005	2708-V042	18-Feb-99	ND*	ND*	ND*	ND*	ND*	ND*	ND*	0.11	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND	ND				
	990312-MW14-110-09	2708-V043	12-May-99	ND*	ND*	ND*	ND*	ND*	ND*	ND*	0.14	ND*	ND*	ND*	ND*	ND*	0.14	ND*	ND*	ND	ND				
	990823-MW14-110-08	2708-V049	23-Aug-99	ND*	ND*	ND*	ND*	ND*	ND*	ND*	0.29	ND*	ND*	ND*	ND*	ND*	0.12	ND*	ND*	ND	ND				
	991027-MW14-110-09	2708-V055	27-Oct-99	ND*	ND*	ND*	ND*	ND*	ND*	ND*	0.28	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND	ND				
	991027-MW14-110-08	2708-V055	27-Oct-99	ND*	ND*	ND*	ND*	ND*	ND*	ND*	0.28	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND	ND				
	000328-MW14-110-109	2708-V060	28-Mar-00	ND*	ND*	ND*	ND*	ND*	ND*	ND*	0.42	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND	ND				
	000328-MW14-110-110	2708-V060	29-Mar-00	ND*	ND*	ND*	ND*	ND*	ND*	ND*	0.42	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND	ND				
000815-MW14-110-102	2708-V064	15-Jun-00	ND*	ND*	ND*	ND*	ND*	ND*	ND*	0.18	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND	ND					
MW-15-50	990728-MW15-50-04	2708-V048	28-Jul-99	ND*	ND*	ND*	ND*	ND*	ND*	ND*	50	8,510	ND*	ND*	ND*	ND*	83	1,790	117	ND*	ND				
	991028-MW15-50-25	2708-V057	28-Oct-99	ND*	ND*	ND*	ND*	ND*	ND*	ND*	20	ND*	ND*	ND*	ND*	716	26	ND*	ND	ND					
	000403-MW15-50-125	2708-V062	3-Apr-00	0.79	0.91	0.49	0.55	0.73	ND*	0.34	22	41.8	2.91	0.25	8.01	23.6	5,480	25.9	5.16	3.31					
	000815-MW15-50-105	2708-V064	15-Jun-00	43.9	45.5	38.5	57.1	40.5	8.85	33.5	2.91	0.59	4.11	41.8	88.7	1.68	1.23	25	60.1	257.88					
	000815-MW15-50-106	2708-V064	15-Jun-00	40	44.1	38.3	52.8	38.3	8.87	32.8	2.98	0.77	4.1	40.2	85.7	1.71	1.23	23.8	57.3	253.97					
MW-15-68	990728-MW15-68-03	2708-V048	28-Jul-99	0.18	0.26	ND*	0.18	0.13	ND*	0.11	0.11	ND*	ND*	ND*	0.14	0.3	ND*	0.57	0.17	0.34					
	991028-MW15-68-07	2708-V054	28-Oct-99	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND					
	000328-MW15-68-109	2708-V060	29-Mar-00	0.67	0.69	0.8	0.77	0.67	0.18	0.53	ND*	ND*	0.11	0.68	0.88	ND*	ND*	0.33	0.98						
	000815-MW15-68-104	2708-V064	15-Jun-00	1.93	1.89	1.61	2.64	1.91	0.57	1.55	0.14	ND*	0.39	2.04	3.32	ND*	ND*	1.07	2.92						
EPA Maximum Contaminant Levels (MCL) for Drinking Water				0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
EPA Region 9 Preliminary Remedial Goals (PRGs) for Test Water (1 MGD)				0.002	0.002	0.002	0.002	0.2	0.002	0.002	370	0	1,500	0	1,500	240	62	0	180	0	0				
DEQ Ambient Water Quality Criteria (AWQC) for Surface Water				0	0	0	0	0	0	0	520	0	0	0	54	0	620	0	0	0	0.031				

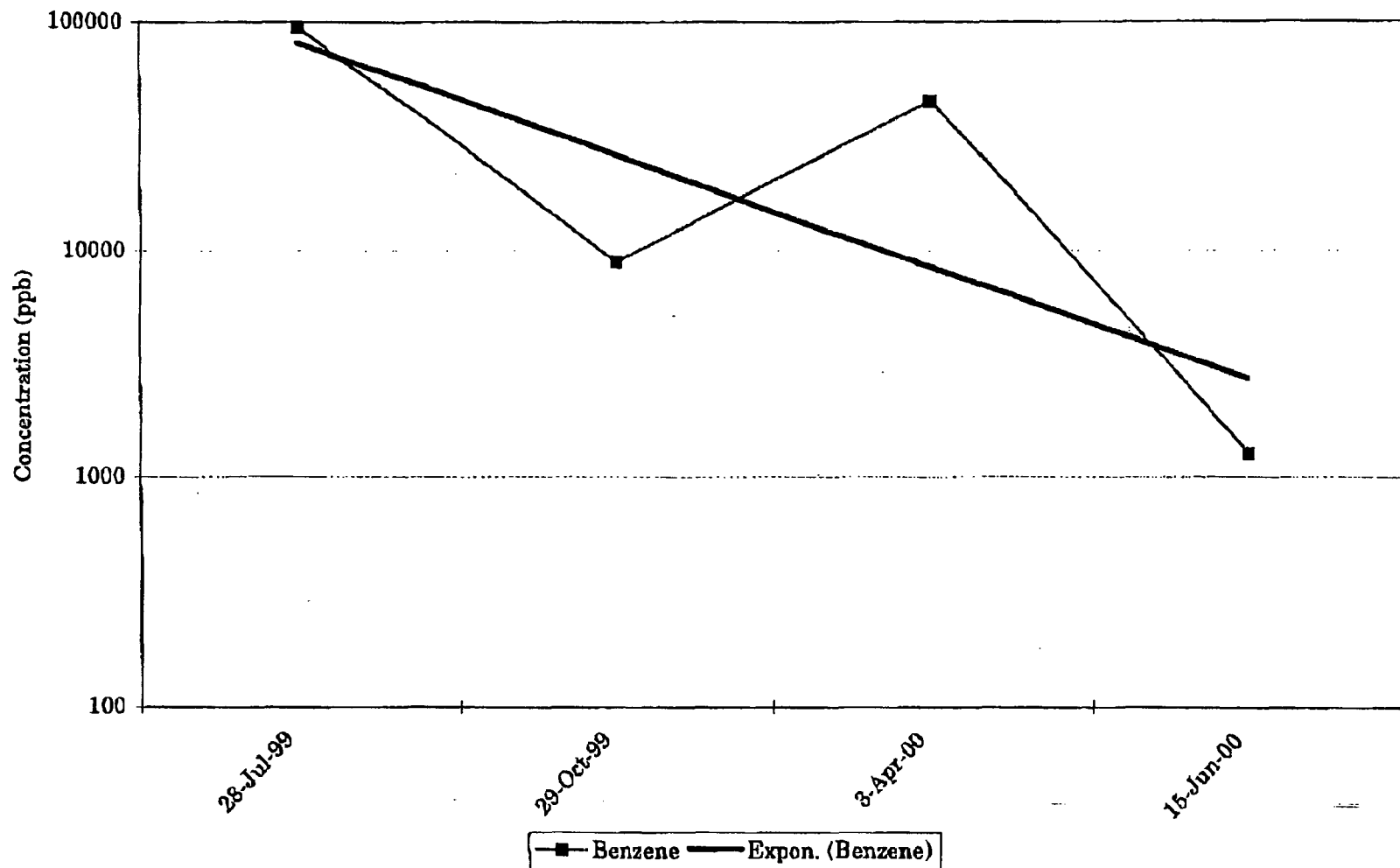
Note: 0 = Reference Level not established  
 EPA = U.S. Environmental Protection Agency  
 ND = not detected above detection limit indicated  
 CDEQ = Oregon Department of Environmental Quality

PAHs = polynuclear aromatic hydrocarbons  
 ppb = parts per billion  
 ug/l = micrograms per liter  
 Bold and shaded = Detected above lowest identified Reference Level

a = detection limit is 0.1 ug/l (ppb)  
 b = detection limit is 1. ug/l (ppb)  
 c = detection limit is 2. ug/l (ppb)  
 d = detection limit is 10. ug/l (ppb)  
 e = detection limit is 20. ug/l (ppb)

1 = Sample number prefix: 2708  
 2 = Reference Level indicated is the lowest guidance value provided in the Ambient Water Quality Criteria (QAR 340-41) based on Fresh Aquatic, Fresh Chronic (Aquatic Life Protection) and Fish Consumption Only (Human Health Protection)  
 3 = Reference Level based on Aquatic Fresh Chronic Criteria of AWQC  
 4 = Reference Level based on Human Fish Consumption Criteria of AWQC

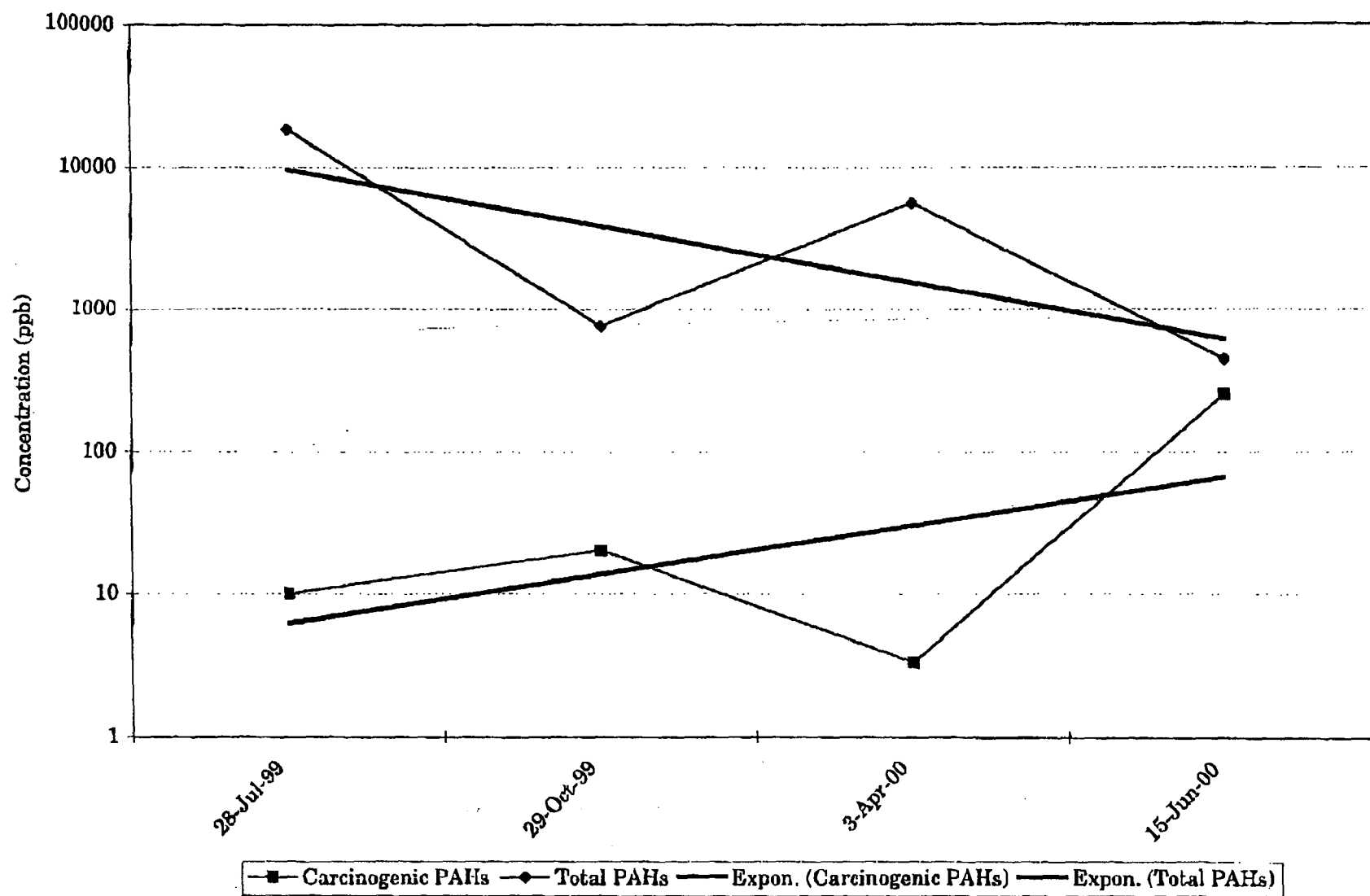
**Figure 2**  
**Benzene Concentration through Time**  
**Monitoring Well MW-15-50**  
**NW Natural - Gasco Facility**



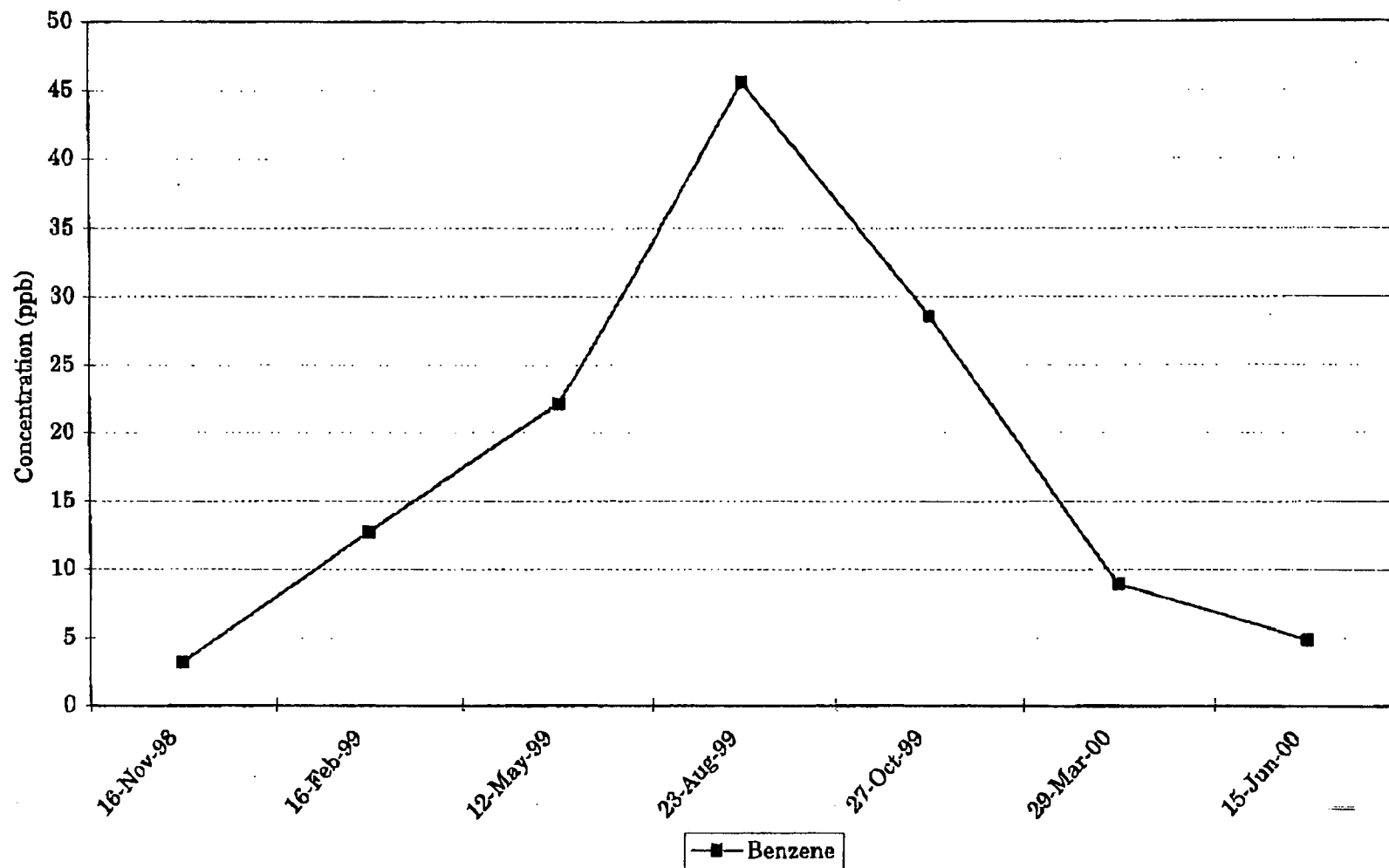
Updated: 8/17/00: RBE  
File: 2708 GW conc graphs

HAHN AND ASSOCIATES, INC.  
Project No. 2708

Figure 3  
Total PAH Concentration through Time  
Monitoring Well MW-15-50  
NW Natural - Gasco Facility



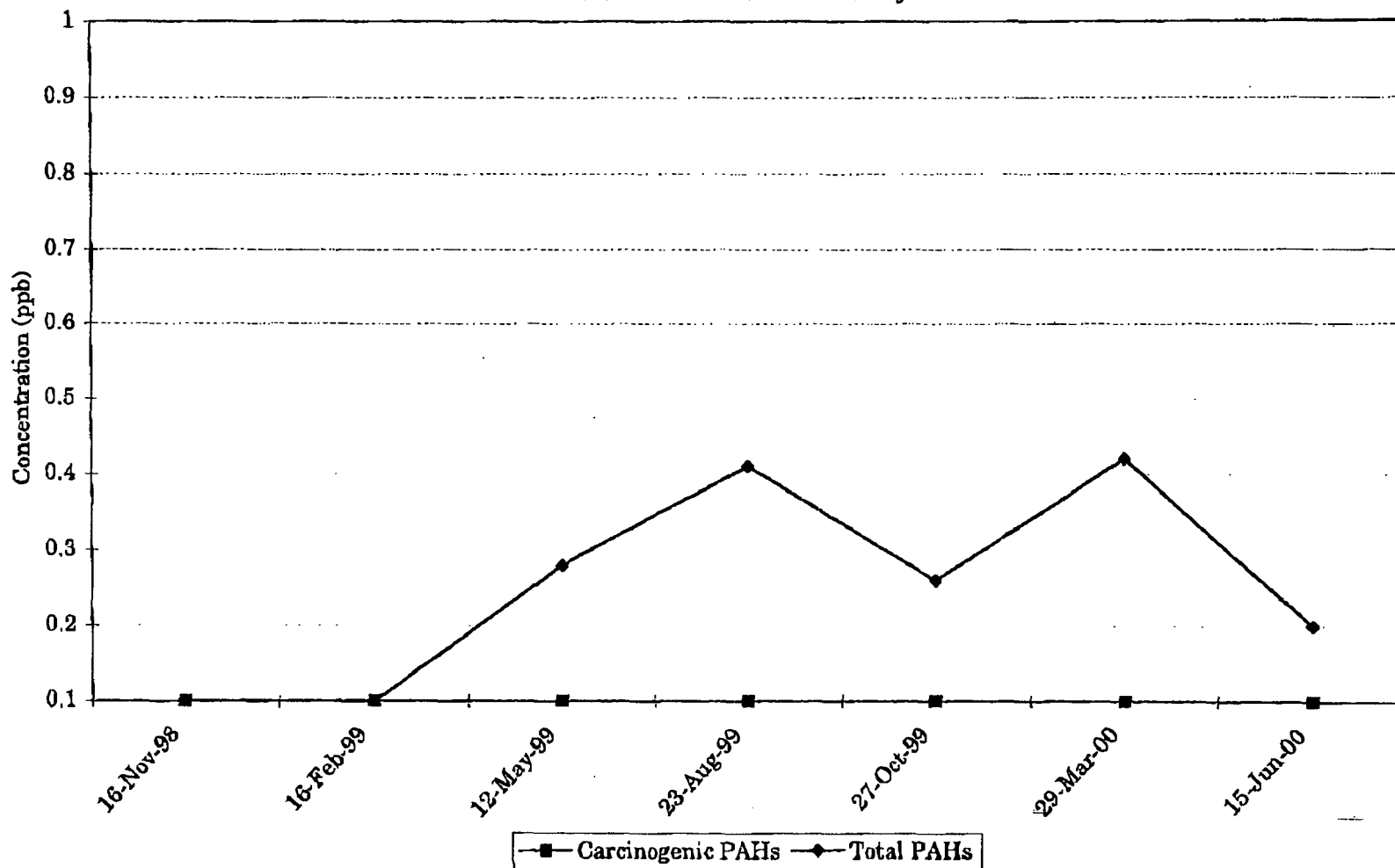
**Figure 4**  
**Benzene Concentration through Time**  
**Monitoring Well MW-14-110**  
**NW Natural - Gasco Facility**



Updated: 8/17/00: RBE  
File: 2708 GW conc graphs

HAHN AND ASSOCIATES, INC.  
Project No. 2708

**Figure 5**  
**Total PAH Concentration through Time**  
**Monitoring Well MW-14-110**  
**NW Natural - Gasco Facility**



Updated: 8/17/00: RBE  
File: 2708 GW conc graphs

HAHN AND ASSOCIATES, INC.  
Project No. 2708

**KOPPERS  
INDUSTRIES**

Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

**Amos S. Kamerer**  
Plant Manager

Telephone: 503-286-3681  
Fax: 503-285-2831

June 5, 2000

Oregon department of Environmental Quality  
Northwest Region  
2020 SW fourth Avenue, Suite 400  
Portland, Oregon 97201-4987

Attention: Elliot Zais

To confirm our telephone conversation of last Friday, June 02, 2000 attached please find the Discharge Monitoring Report for May 2000.

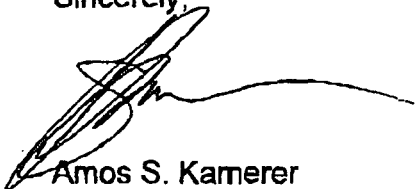
As discussed, this report reflects that we had an excellence during the month of May, of our Phenols permit limit. The permit limit is .5 MG/L monthly average, and .7 MG/L maximum daily limit. The test result on our first sample for the month was .54 MG/L, and because it was below the .7 MG/L maximum limit, it was thought to be OK.

We now understand that we should have re-sampled and re-tested for verification or possible correction, prior to the discharge of the storm water.

Needless to say I regret the error, and I will do all that I can to avoid having this type of error happening again.

If you have any questions, please contact me at 286-3681, or via e-mail at:  
[amos\\_kamerer@koppers.com](mailto:amos_kamerer@koppers.com)

Sincerely,



Amos S. Kamerer

CC: J. Holtrop, City of Portland  
J. Dietz, KII  
T. Self, KII  
M. Cilley, KII

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Different)

NAME Koppers Industries, Inc.  
ADDRESS 7540 NW Saint Helens Road  
Portland, OR 97210

FACILITY NW Terminal  
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
(2-18)

PERMIT NUMBER

DISCHARGE NUMBER 005

47430  
101642

Form Approved,  
OMB No. 2040-0004  
Approval expires 05-31-88

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
00	05	01	00	05	31
(20-21)		(22-23)	(28-27)		(30-31)

FROM

TO

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (46-53)			QUANTITY OR CONCENTRATION (48-55)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	21,290		GPD				0	N/A	EST.
	PERMIT REQUIREMENT									
TEMP	SAMPLE MEASUREMENT				13.8	15.5	18.2	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A			
pH	SAMPLE MEASUREMENT				6.8	7.4	7.8	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0			
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	2.5	5.1	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15			
PHENOLS	SAMPLE MEASUREMENT				.54	.54	.54	1	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7			
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R.D. Collins, VP

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. 1001 AND 32 U.S.C. 1191b. Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.

Signature S. Kamerer, Plt. MGR

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

503 286-3681

DATE

00 06 05  
YEAR MO DAY

REMARKS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

cc: J. Holtrop - City of Portland, T.I. self - KII

Clean air  
Clean water  
Clear thinking



## Oregon Environmental Council

FILED PORTLAND  
ENVIRONMENTAL  
**RECEIVED**

FEB 18 2000

KOPPERS INDS, INC.  
PORTLAND

### BOARD OF DIRECTORS

#### President

Ann Wheeler-Bartz  
Bend

#### Vice President

Ed McNamara  
Portland

#### Treasurer

Randy Pazzoni  
Portland

Lloyd Anderson  
Portland

Nik Blosser  
Portland

Susan Castillo  
Eugene

Karla S. Chambers  
Corvallis

Joseph Cortright  
Portland

Angus Duncan  
Portland

David Engels  
Aurora

Karen Green  
Bend

Jerome Lidz  
Eugene

Steve Novick  
Portland

Amy Patton  
Tigard

Josie Reeder  
Lake Oswego

James Whitty  
Portland

Executive Director  
Jef Allen

February 17, 2000

Amos S. Kamerer  
Koppers Industries  
7540 NW St Helens Road  
Portland, OR 97210

Dear Mr. Kamerer:

A new effort to phase out the use of persistent, bioaccumulative and toxic chemicals (PBTs) took hold here in Oregon in September, when Governor John Kitzhaber signed an Executive Order directing the Oregon Department of Environmental Quality (DEQ) to seek zero discharge of PBTs by 2020 (for text of the Executive Order, see <http://www.governor.state.or.us/governor/legal/execords.html>).

PBTs are of special concern because they persist for decades in the environment and build up in the food supply of humans and wildlife. They are linked to a number of health problems, including cancer, birth defects and disruption of the hormone system. And they are causing a number of problems here in Oregon. For example, fish consumption advisories have been issued for seven waterbodies in Oregon, including the entire mainstem of the Willamette River, due to mercury contamination.

The Oregon Environmental Council (OEC) embarked on a research effort last fall to collect basic information about the sources of PBTs in Oregon. The results of our research are captured in a new report to be released next week, *Zero Tolerance. Persistent Poisons in Oregon: Sources and Solutions* provides the first-ever assessment in Oregon of the sources of 12 PBTs: five banned pesticides, benzo(a)pyrene, dioxins/furans, hexachlorobenzene, lead, mercury, octachlorostyrene and PCBs. The report lists 64 industrial and municipal facilities and several "non-point" sources which are known or expected sources of these 12 PBTs (the one-page Executive Summary is enclosed, for your information).

We are writing because your facility has been identified as a known or expected source of one or more PBTs.

We are writing to tell you this for several reasons:

Post-it® Fax Note	7671	Date	2/18/00	# of pages	3
To	J. Dietz	From	Amos		
Subject	T. Self	Co.			
Name	M. C. Illey	Phone #			
From	F.Y.I.	I'll order the Report.			

520 SW 6th Avenue, Suite 940

Portland, Oregon 97204-1535

Voice (503) 222-1963 Fax (503) 222-1405

oec@orcouncil.org www.orcouncil.org



(2)

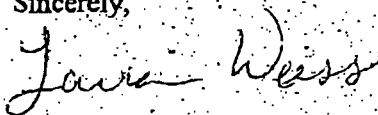
First, we thought you should hear from us directly before you hear about our report elsewhere. Nobody likes surprises.

Second, we realize that the accumulated information is far from perfect. In fact, our report found that inadequate government programs have left alarming gaps in the state's knowledge about PBTs in Oregon. If you do not believe your facility is a source of PBTs, or if you have other information for us, we would certainly like to know about it.

Third, and most importantly, we need your help. The Governor's Executive Order marks the beginning of a major change in Oregon's approach to PBTs, and DEQ is beginning to develop a strategy to eliminate the discharge of these persistent poisons. OEC's report outlines more than 15 recommendations including voluntary, market-based and regulatory tools to reach zero discharge. However, we believe the best way to eliminate these persistent poisons from Oregon is through a collaborative process that engages stakeholders from all source categories to develop a comprehensive strategy. We hope you will be an active partner in solving this major pollution problem, and we invite your comments and suggestions.

If you would like to discuss the report's findings or our work on PBTs in more detail, please call me at 503-222-1963, ext. 111, or send an email to [laura@orcouncil.org](mailto:laura@orcouncil.org). For more information about DEQ's PBT strategy, you can contact Mr. Rick Gafes in Portland at 503-229-5983.

Sincerely,



Laura Weiss  
Pesticide and Toxics Program Director

P.S. Copies of the 36-page report are available for \$10. You can use the enclosed response envelope or call 503-222-1963, ext. 100, to order a copy.

---

## EXECUTIVE SUMMARY

---

Decades after learning about the dangers posed by persistent poisons like DDT, mercury and dioxin, we are still allowing the release of many of these dangerous and long-lived chemicals in Oregon. In response to this public health and environmental threat, Governor John Kitzhaber recently signed an Executive Order directing the Oregon Department of Environmental Quality (DEQ) to eliminate the release of all persistent, bioaccumulative and toxic pollutants by the year 2020.

Persistent poisons remain in the environment for decades and concentrate in the bodies of humans and wildlife. As a result, when they are discharged into the air and water, or onto the land, they leave a legacy of toxic contamination, posing serious threats to public health and the environment, and causing expensive cleanup sites. For example:

- Some 700 miles of streams and rivers throughout Oregon do not meet standards for safe fish consumption because of persistent poisons such as mercury, dioxin, PCBs and pesticides.
- Nearly three decades after it was banned, DDT is still being found in streams at levels that violate the Clean Water Act, from suburban Portland to Malheur County in southeastern Oregon.
- On the Columbia River, exposure to dioxins/furans, PCBs and certain pesticides is linked to problems with reproductive tract development in young male otters. The more heavily contaminated males were found to have smaller penile bones and testicles.
- The Portland Harbor qualifies as a federal Superfund site because of contamination by a toxic alphabet soup of persistent poisons, including DDT, PCBs, PAHs and TCDD to name a few.

Despite this evidence and the tremendous potential harm from persistent poisons, we have done little or nothing to stop the flow of these pollutants in Oregon. For several decades, our environmental programs have focused on managing toxic discharges at "safe" levels. However, persistent poisons by their very nature cannot be "managed." We must implement strategies that lead quickly to their elimination.

In addition, inadequate government programs to track persistent poisons have left an alarming gap in our knowledge about the sources of these chemicals here in Oregon. For example, DEQ has not required most industrial facilities which are likely sources of persistent poisons to monitor for those pollutants, nor does it track permitted air and water discharges by chemical in a centralized database, thereby making it impossible to measure progress toward zero discharge.

This report by the Oregon Environmental Council (OEC) provides a first-ever, in-depth look at 12 of the most dangerous and persistent poisons found in Oregon. The report describes where they are coming from, how they are affecting our environment and our health, and how we can get rid of them. Key elements of this report include:

- A first-ever list of 64 industrial and municipal sources throughout Oregon that are known or expected to be discharging persistent poisons, many of them without adequate testing or permit conditions.
- An inventory of scattered "non-point" sources of persistent poisons, such as mercury in fluorescent light bulbs, heavy metals and dioxins in fertilizers, and pollutants from burning of household trash in barrels.
- A review of 12 of the worst persistent poisons and their health effects.
- More than a dozen recommendations for voluntary, market-based and regulatory strategies to begin phasing out persistent poisons, such as a new "toxics" tax and strengthened air and water permit requirements.



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory  
6543 N. Burlington Ave., Portland, Oregon 97203-5452  
(503) 823-5600

July 29, 1999

Amos Kamerer  
Koppers Industries Inc.  
7540 NW St. Helens Rd.  
Portland, OR 97229

RE: Facility Inspection of June 23, 1999.

Dear Mr. Kamerer:

Thank you for your time and cooperation during the recent inspection of your facility. There were no issues requiring attention noted during the inspection and Koppers appears to be doing a good job of complying with the conditions of its NPDES permit. The City of Portland appreciates your efforts.

Sincerely

John Holtrop  
Industrial Stormwater Section

cc: J. Pictz  
T. Self

## RECEIVED

AUG - 3 1999

KOPPERS INDS, INC.  
PORTLAND OR

PORTLAND : ENVIRONMENTAL

**KOPPERS  
INDUSTRIES**

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd.  
Portland, Oregon 97210-3663  
Phone: (503) 286-3681  
Fax: (503) 285-2831  
Web Page: [www.koppers.com](http://www.koppers.com)

TO: Dietz, Self, Meisinger

DATE: 6/22/99

FROM: Amoj

TOTAL # OF PAGES: 3

See my e-mail this date, regarding the attached  
Inspection Report.

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

**RECEIVED** **DEPARTMENT OF ENVIRONMENTAL QUALITY**

Northwest Region -- Air Quality Section

JUN 21 1999

KOPPERS INDS, INC.  
PORTLAND, OR**Inspection Report**

Date: June 15, 1999

**Company:** Koppers Industries  
**County:** Multnomah  
**File No.:** 26-2930**Address:** 7540 NW St. Helens Road  
**City:** Portland**Interviewee:** Amos Kameron  
**Phone:** 286-3681**Inspection**  
**Date:** 15 Jun 99**Conditions:** Low, thick overcast; variable winds**Narrative:**

Jennifer Yockum, of the Department's headquarters staff, accompanied me on this visit.

Koppers Industries receives pencil pitch, a solid form of coal tar, heats the product to a liquid state, and ships it out via rail and truck. The facility is also a transfer point for heavy oil. Until this year, the facility was a transfer point for creosote, which has a penetrating odor at low levels of escaped gas. The facility is located in the northwest industrial area between Highway 30 (St. Helens Road) to the west and Wacker Siltronic Corp. to the east. The facility area is leased from Northwest Natural (formerly Northwest Natural Gas), and has been in existence since 1965.

Liquid coal tar is used by the aluminum industry. It is called electrode binder pitch and is molded into anodes used in the electric current smelting process. One pound of coal tar pitch is used for each ten pounds of aluminum produced. Pencil pitch is received from marine vessels at the Port of Portland and transported to the facility by truck. The raw material is unloaded into a large, open warehouse. In its solid form, pencil pitch is cylindrical and about two inches in diameter. It can be a source of fugitive particulate emissions as pieces flake off as they are rubbed together during the unloading process. The area near the warehouse opening is cleaned with a street sweeper, then water hoses, after each delivery. The collected material is processed to recover as much raw material as is feasible, and the remainder is disposed of at the Hillsboro landfill. The doors are closed during times of high winds. The possibility exists that a wind could carry pencil pitch particles onto the neighboring site during an unloading operation, or if the area near the warehouse doors is not cleaned between loads. The edge of Koppers' property is less than 30 yards from the south door of the warehouse.

The company plans to stop shipments of pencil pitch and instead receive the coal tar in its original liquid form some time within the next three years. A new storage tank to accommodate the change is currently being constructed. It is expected that a second tank and a pipeline to the marine vessel off-loading area at the Port will be added by the end of the year 2002. The company is examining the feasibility of adding a thermal oxidizer when the second tank is constructed. It is believed that the current fume recovery system will become inadequate with the addition of the second tank.

The current fume recovery system consists of insulated piping to which all heated storage tanks are vented, and a demister to collect particulate prior to the exhaust of gasses. The temperature at the demister is supposed to be 180-200° F, but the temperature rises during the 5-day work week as continuous use heats the air at the collection tank upon which the demister sits. The company plans to add a cooling unit to the process.

Weather conditions did not allow for an opacity reading on the demister stack. It appeared that opacity ranged from 15% to as much as 35% during the time we toured the plant. I explained opacity, and the method used for judging it, to Mr. Kernerer. We compared the discharge from the boiler stack, which was clearly steam, to the exhaust of the demister stack, which had a brown tinge to it and did not disperse as quickly as the steam. The demister stack is considered to be in marginal compliance until an opacity reading can be done. Mr. Kernerer said he would speak to the company's environmental manager about the problem.

The 21 million Btu boiler was operating on low pressure during the time of the inspection. Steam was the only visible emission from the boiler stack.

Odor complaints to the facility have dropped considerably since the cessation of the receipt of creosote. A slight odor was detected on site, but no odors were detected off site.

The facility was found to be in marginal compliance for opacity limits at the demister stack. The facility was found to be in full compliance with all other permit conditions at the time of the inspection.

**Submitted by:** Kathy Amidon

cc: Amos Kernerer  
Koppers Industries, Inc.  
7540 NW St. Helens Road  
Portland, OR 97210-3663



*J. Pretz, K-1650*

Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

**Amos S. Kameron**  
Plant Manager

Telephone: 503-286-3681  
Fax: 503-285-2831

Rebecca Paul  
Environmental Specialist  
Department of Environmental Quality  
Northwest Region  
2020 SW Fourth Avenue, Suite 400  
Portland, Oregon 97201-4987

June 25, 1999

Re: HW-Multnomah County  
Koppers Industries  
ORD 027734359  
NWR-HW-99-042  
Notice of Noncompliance

Dear Ms. Paul,

This is in response to your June 4<sup>th</sup>, 1999 NON letter to Mr. T. J. Turner that is referenced above.

VIOLATION 1: ORD-340-122-012 Failure to perform a hazardous waste determination on seven drums located at the facility.

A review of the seven drums is as follows:

- a) One drum contained a citrus based material manufactured by ZEP, that is used for various cleaning purposes around the plant; tools, lab utensils, etc.. An MSDS for this product is attached for your reference. See the attached picture #1.
- b) One drum contained a product named 596-B Aluminum Brightener. This drum was many years old, where the labels had faded; thus it was not properly identifiable. A label and MSDS for this material is also attached for your reference. See the attached picture #1.
- c) One drum contained a product named 592 REACT, that is used as the pre wash material for the above 596-B Aluminum Brightener Product. This is the drum that had the crack in the top of it, where it had leaked on to the ground and that you sampled, to run a PH analysis. The MSDS for this material is also attached for you reference. You will note that this show's the PH for this product to be 11.9. Your report stated that your result was a PH of 14. Based on the MSDS and the information that was available during the inspection, we believe that the PH was below 12.5, thus, it was not a hazardous waste. The material in question has been collected and disposed of in accordance with the applicable regulations. Picture # 2 attached shows this drum.

- d) One drum was labeled as Chemoca: a former citrus based cleaning product that we used in the plant, prior to switching over to the use of the ZEP product mentioned above. The Chemoca label has been removed and it is now stenciled "used oil for recycling". This is the drum that you noticed the NFPA fire hazard 3 on the label, thus, this was not an applicable issue. See the attached picture #3.
- e) One drum was a "used oil to be recycled" drum, and was properly stenciled. Since your visit, this drum has been cleaned and made more readable. See the attached picture #4.
- f) Two drums were empty plastic storage drums. See pictures # 5 and # 5A attached.

The lead-acid batteries that you saw have now been sent off to be recycled. Since there were no hazardous waste, there are no manifest's to provide, as you requested.

We have already, and will further review the proper storage and handling procedures for all products that are in use in the plant, with our employee's.

VIOLATION 2: Failure to immediately clean up a spill of a hazardous material.

This material was the 592 REACT drum referenced above as "c". We contend that if the PH was not at the 14 level, then this was not a hazardous material spill.

VIOLATION 3: Placing wastes in a location where the wastes are likely to enter the waters of the state.

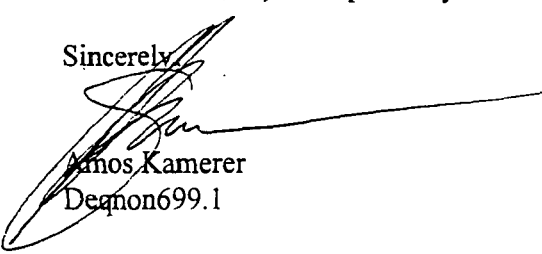
The materials in question were cleaned up immediately and were disposed of in accordance with all applicable regulations. See picture # 6 of this cleaned up area.

TJ faxed you a copy of a Sanifill of Oregon, Generator's Special Waste Profile sheet, which was not applicable, to our current permit. Our current permit is with USA Waste Services, Inc. and is based on the information contained in the MSDS's for the products to be disposed, and the generator's knowledge of the product. A copy of our current permit is attached.

Also, Koppers Industries would like to have a copy of all of the pictures that were taken, during your visit on the 4<sup>th</sup>, for our files.

Please advise, if you require any additional information.

Sincerely,



James Kameron  
Deqnon699.1

CC: T. Self, Environmental Manager, Koppers Industries

Bcc: J. Dretz  
T.J. Turner





# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Northwest Region

2020 SW Fourth Avenue

Suite 400

Portland, OR 97201-4987

(503) 229-5263 Voice

TTY (503) 229-5471

**CERTIFIED MAIL RETURN**  
**RECEIPT REQUESTED**

June 28, 1999

MR AMOS KAMERER  
KOPPERS INDUSTRIES  
7540 NW ST HELENS ROAD  
PORTLAND OREGON 97210-3663

RE: HW-Multnomah County  
Koppers Industries  
ORD 02773459  
NWR-HW-99-042

Dear Mr. Kamerer:

I have read your response to the Notice of Noncompliance sent to you on June 4, 1999. The response submitted has not addressed the issues correctly. I requested that a hazardous waste determination be done on several drums located at your facility. There were two drums that you have identified as being waste, however, you have not supplied documentation to demonstrate an adequate waste determination. One of these drums contained a corrosive material and one drum contained used oil and ZEP cleaner, which you now claim, has used oil. Both of these containers need to be tested. The MSDS sheets are to be used for employee safety not to use as a waste determination exclusively. The pH paper used during the inspection indicated that the pH was above the 12.5 range. The type of paper used does not vary to the degree that you state the pH is. This waste will need to be tested to determine the exact pH. Additionally, this container needs to be over packed or placed in a new container. I requested that this be done during the inspection to prevent more spillage. That has not been corrected as your photographs show. The other container that you have marked as used oil will also need to be tested. There is conflicting information on the container, and there was no knowledge expressed at the time of the inspection that would indicate that any of these containers held used oil.

It should also be noted that containers are required to be labeled for Oregon OSHA and the state fire marshal. The lack labels on the containers would not have complied with either of these requirements.

With respect to your answer to Violation 2, you are incorrect with your assessment of what constitutes a spill of a hazardous material. This material is a corrosive material as defined under the Department of Transportation. All spills onto soil are required to be cleaned up immediately. I am enclosing a copy of the spill rules so that you can properly manage spills on your property in the future. You should also be aware that no releases are allowed to the soils or waters of the state without a permit, the release from the Clean Sweep truck was not a permitted discharge, and therefore was cited as a different violation.

Not received

June 28, 1999

Page 2

I am also requesting that you provide me with the following documentation to demonstrate compliance with the Notice of Noncompliance originally sent on June 4, 1999.

1. Submit a hazardous waste determination on the two drums of waste at the facility. This must include waste testing. A pH must be performed on the corrosive material, and if this material was used for cleaning then TCLP metals will also need to be tested for.
2. Submit lab data on the drum that you are claiming is used oil. This data needs to include a flash point test, TCLP metals, and a pH will also need to be done on this container, because there is some dispute about the nature of the cleaning compound.
3. The corrosive drum will need to be overpacked. Supply photodocumentation that this has been done.
4. For the violations related to the spill and the placing of waste in a location where they are likely to enter the waters of the state, enclosed is a spill report outline. Both of these issues need to be addressed under the spill report outline. *→ Not Received*

All the above requested information will need to be submitted to me within 10 days from the receipt of this Notice. (Wed. 6/30/99)

Should you have any questions or concerns regarding this letter please feel free to contact me at 229-5543.

Sincerely,



Rebecca Paul

Environmental Specialist

Northwest Region

Post-it* Fax Note	7671	Date	6/30/99	# of pages	2
To	T. Self	From	Amos		
Cell/Dept.	J. Dietz	Co.			
Phone #		Phone #			
Fax #		Fax #			



FILE: PORTLAND - SHHE  
THERMAL OXIDIZER

Koppers Industries, Inc.  
7540 N.W. St. Helens Road  
Portland, OR 97210-3663

Amos S. Kameron  
Plant Manager

Telephone: 503-286-3681  
Fax: 503-285-2831

June 1, 2000

Oregon Department of Environmental Quality  
Northwest Region  
2020 SW 4<sup>th</sup> Avenue, Suite 400  
Portland, Oregon 97201-4987

Attention: Randall Bailey

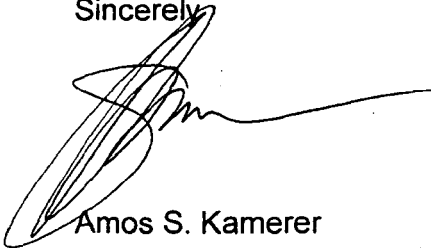
Reference: Air Containment Discharge Permit # 26-2930  
Notice of Intent to Construct

Dear Mr. Bailey,

As per our recent discussions, attached please find the Notice of Intent to Construct covering the new thermal oxidizer that Koppers Industries will be installing, to replace our existing system.

If you have any questions, please contact me at 286-3681, or via e-mail at:  
amos\_kameron@koppers.com

Sincerely,



Amos S. Kameron

CC: J. Dietz, KII  
T. Self, KII  
M. Cilley, KII  
B. Meisinger, KII

16. Description of waste disposal practices *after* the construction: No waste disposal is involved.

**Construction Data**

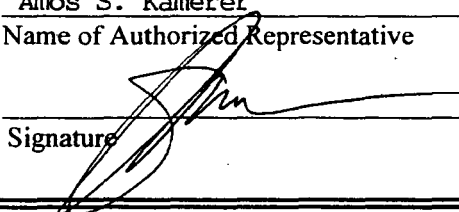
17. Timing of construction.
- a. Commence date (mm/dd/yy) 06/01/00 -Engineering, equipment bidding and award, permitting and equipment delivery.
  - b. Begin date (mm/dd/yy) 06/01/01 -Installation
  - c. Completion date (mm/dd/yy) 09/01/01 -Start-up
18. Will tax credits be requested once construction is completed? Yes        No X

**Signature**

19. Signature

*I hereby certify that I have completed this application to the best of my ability and that the information herein and in the attached exhibits is true and correct to the best of my knowledge.*

Amos S. Kamerer  
Name of Authorized Representative

  
Signature

Plant Manager  
Title

06/01/00  
Date (mm/dd/yy)

**Identification Information**1. Permit Number 26-2930

<b>2. Legal Company Name:</b> <u>Koppers Industries, Inc.</u> Company Name <u>7540 NW Saint Helens Road</u> Mailing Address <u>Portland, OR 97210</u> City, State, Zip	<b>3. Facility Name: (if different from legal company name)</b>  Facility Name  Location Address  City, State, Zip
<b>4. Compliance Contact:</b> <u>Amos S. Kameron, Plant Manager</u> Name & Title <u>same as above</u> Mailing Address <u>(503) 286-3681</u> Area Code & Telephone Number	<b>5. Information/Clarification Contact:</b>  Name & Title  Location Address  Area Code & Telephone Number

**Facility Information**6. SIC Codes: 2 8 6 57. Other Department permits? (y/n; if y, specify type and permit number) Yes X No     NPDES # 101642  
      
      
    8. Increased capacity/emissions, new pollutants? Yes      No X

9. If applicable, attach a Land Use Compatibility Statement.

**Construction Information**10. Description of proposed construction: To add a thermal oxidizer to the pitch fume recovery system. The new thermal oxidizer will replace the existing system.

11. Attach relevant forms from Form Series AQ200, Device/Process Forms, if applicable.
12. Attach Form AQ301, Control Device Description, if applicable.
13. Attach a process flow diagram.

**Emissions Data**

14. Pre-and Post-Construction emissions summary data

a. Emissions Point	b. Pollutant	c. Pre-Construction Emissions		d. Post-Construction Emissions	
		short-term (specify unit)	annual (tons/year)	short-term (specify unit)	annual (tons/year)
Liquid Pitch				Per the data that was supplied with the original Air Permit application.	
Storage Tanks					
and Load out					
locations					

15. Description of waste disposal practices *before* the construction:  
No waste disposal is involved.

# KOPPERS INDUSTRIES - Portland

## Reporting Requirements 2000

Media	Requirement	Authority	Frequency	Date Due	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC					
					S	E	R	S	E	R	S	E	R	S	E	R	S	E	R	S	E	R	S	E	R	S	E	R	S	E	R	
AIR																																
	fume system study		annually	1-Jun	This lamp closed - now thermal oxidizer lamp installed												N/A															
	Update air permit/ESHAP report	Subpart F&G		1-Sep, 2002																												
WATER																																
	DMR report		monthly	Due 15th following month	2/2	0	N	3/3	0	N	4/5	0	N	5/2	0	N	6/5	1	Y	7/10	0	N	8/7	0	N							
	Discharge report/ NPDES sampling report	City of Portland	semiannually	The City of Portland has determined that this is no longer required																												
	NPDES renewal			31-Jan, 2004																												
WASTE																																
OTHER																																
	Update MSDSs submit list to agencies	SARA 311	quarterly		1/5							4/5					N/A						N/A									
	Test liquid pitch unloading line and hoses	USCG	annually	November																												
	Hazardous substance survey- Tier Two	Oregon State Fire Marshall	annually	Nov. 30, 2000																												
	Form R	SARA 313	annual	1-Jul														6/29	0	0												
	SPCC Plan recertification	RCRA	triennial	Feb. 2003																												
	Chemical Inventory Update IUR	TSCA	quadrennial	2002, 2006...																												
S = date submitted																																
E = number of excursions																																
R = were excursions reported to the agency (Y/N?)																																
N/A indicates monitoring only																																